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ACIDIC PRECIPITATION IN ONTARIO STUDY

DAILY AMBIENT AIR CONCENTRATION LISTINGS

July 25, 1980 - December 31, 1981

May 1983

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Ministry of the Environment
Ontario

The Honourable
Andrew S. Brandt
Minister

Brock A. Smith
Deputy Minister

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Atmospheric Research and Special Programs Section
Ontario Ministry of the Environment
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May 1983

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This report was prepared by Richard Kirk, APIOS Atmospheric Deposition and Chemistry Program Database Scientist. However, the data themselves are a product of the combined efforts of many individuals. Collection of air filter samples was coordinated by the APIOS environmental technicians Steve Elliott (in Southwestern Region), Paul Kehoe (in Southeastern Region), Wim Smits (in Northwestern Region) and J. P. Varto (in Central Region). Sample handling was carried out by Daniel Orr, Liane Skelton and Gregory Brown at the Air Resources Branch. Chemical Analaysis were performed at the Laboratory Services Branch under the coordination of Frank Tomassini. Ail enquiries regarding the reported data should be directed to Walter Chan, the APIOS Atmospheric Deposition and Chemistry Program Leader (416) 965-1634.

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PART I

INTRODUCTION

INTRODUCTION

The data listed herein are a summary of the results acquired from the APIOS daily ambient air sampling network from start-up time to December 31, 1981. Collection of daily ambient air samples began in the Southwestern Region (Longwoods) on March 3, 1981; in the Central Region (Dorset) on July 25, 1980; in the Southeastern Region (Charleston Lake) on March 23, 1981; and in the Northwestern Region (Fernberg) on October 2, 1981. All data presented in this report have been screened for validity. Remarks and qualifications have been appended to records, and/or results where necessary. The screening procedure involves the application of gross limit checks by comparing each analytical result with a calculated upper limit. The upper limit was determined as the mean plus two standard deviations based on the log-transformed data. Upper limits were calculated for each region. Also, the structure of each sample was examined by conducting a principal components analysis and plotting each sample's scores (PC I vs PC II)[1]. Samples that were determined to be obvious outliers were flagged as unreliable.

The sampler utilized for daily air sampling is the Metrex Sequential Air Sampler type SAS 8-25. The sampler is loaded once weekly with 7 active filter packs and 1 passive filter pack. Each active filter pack is exposed for 24 hours beginning at 0700 h EST and terminating at 0700 h EST next day. The passive filter pack is for blank correction. Sampling details are described in another document[2].

Station Identification

The station identification is defined by four descriptive fields (e.g. - Dorset/Daily/Sequential #2). The first field refers to the sampling location. The second and third fields describe the sampling interval and the instrumentation used respectively. The last numeric field refers to the index code utilized on the location map.

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1 Harris, R.J. (1975). A Primer of Multivariate Statistics. Academic Press, New York, 332 pp.

2 Chan, W.H., Orr, D.B. and Vet, R.J. (1982). Acidic Precipitation in Ontario Study - An Overview: The Event Wet/Dry Deposition Network. Ontario Ministry of the Environment Report #ARB-11-82-ARSP.

Daily Ambient Air Concentration Listings

All analytical results presented in this report were corrected for passive loadings unless otherwise specified. If a passive result is reported as a detection limit then a value corresponding to one half the detection limit is utilized for passive correction. If the passive result is equal to or exceeds the active result then a zero is reported. Each filter pack is loaded with a teflon filter, a nylon filter and a pair of Whatman 41 filters with the first two filter types being upstream and the last filter type being downstream. The teflon filter is analysed for particulate $SO_4^=$, NO_3^- and NH_4^+. The nylon filter is analysed for gaseous HNO_3 and the Whatman 41 filter (impregnated with K_2CO_3 - glycerol) is analysed for gaseous SO_2. The reported parameter "TOTL NO3" represents total nitrates and is calculated by the summation of $N\text{-}HNO_3$ and $N\text{-}NO_3$. If a detection limit is encountered in the calculation of "TOTL NO3" then a value corresponding to one half the detection limit is utilized. In the presented data listings the parameter "NITRIC" represents nitric acid. Remark codes (e.g. - U, A) appended to individual results are defined in a later section.

Field Comment Code Index

A - Sampler malfunction
B - Known hydro failure
C - Suspected hydro failure
D - Known filter pack leak
E - Suspected filter pack leak
F - Gasmeter not equal to rotameter
G - Flow line problems
H - Known contamination
I - Suspected contamination
J - Heavy dew or fog
K - Sample not submitted

Office Comment Code Index

F - Data invalidated - flow volume rate less than 10,000 litres per day
P - Passive missing - average passive results used as blank correction
Z - Abnormal sampling period
X - Sample lost

Result Remark Code Index

>	- actual result greater than value reported
<	- actual result less than value reported
<T	- actual result less than criterion of detection
<W	- no response, minimum possible result reported
A	- approximate value
U	- unreliable result
P	- not corrected for passive
<P	- not corrected for passive - reported value is a detection limit

PART II

STATION DESCRIPTION AND LOCATION MAP

STATION LOCATION MAP

DAILY AMBIENT AIR MONITORING NETWORK

MAP REF. NUMBER	STATION NAME	MOE REGION	ELEVATION (m)	LATITUDE NORTH	LONGITUDE WEST	UTM COORDINATES NORTHING	UTM COORDINATES EASTING
01	Longwoods	Southwestern	239	42°53'	81°29'	4747850	460700
02	Dorset	Central	320	45°13'	78°56'	5009600	662450
03	Charleston Lake	Southeastern	92	44°30'	76°03'	4927500	417150
04	Fernberg	Northwestern	506	47°50'	91°52'	5316000	585000

PART III

SOUTHWESTERN REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAR 4,81	MAR 3,81	700	700	1	33900.0	2336	2	1		
MAR 5,81	MAR 4,81	700	700	1	30420.0	2337	2	1		
MAR 6,81	MAR 5,81	700	700	1	31740.0	2338	2	1		
MAR 7,81	MAR 6,81	700	700	1	34040.0	2339	2	1		
MAR 8,81	MAR 7,81	700	700	1	31440.0	2340	2	1		
MAR 9,81	MAR 8,81	700	700	1	31810.0	2341	2	1		
MAR 10,81	MAR 9,81	700	700	1	32380.0	2342	2	1		
MAR 11,81	MAR 10,81	700	700	1	30750.0	2343	2	1		
MAR 12,81	MAR 11,81	700	700	1	32810.0	2345	2	1		
MAR 13,81	MAR 12,81	700	700	1	11810.0	2346	2	1	G	
MAR 14,81	MAR 13,81	700	700	1	33640.0	2347	2	1		
MAR 15,81	MAR 14,81	700	700	1	33670.0	2348	2	1		
MAR 16,81	MAR 15,81	700	700	1	33780.0	2349	2	1		
MAR 17,81	MAR 16,81	700	700	1	34400.0	2350	2	1		
MAR 18,81	MAR 17,81	700	700	1	30000.0	2352	2	1		
MAR 19,81	MAR 18,81	700	700	1	26990.0	2353	2	1		
MAR 20,81	MAR 19,81	700	700	1	26570.0	2354	2	1		
MAR 22,81	MAR 20,81	700	700	1	47840.0	2355	2	1		Z
MAR 23,81	MAR 22,81	700	700	1	26450.0	2356	2	1		
MAR 24,81	MAR 23,81	700	700	1	26490.0	2357	2	1		
MAR 25,81	MAR 24,81	1000	700	1	21260.0	974	2	1		
MAR 26,81	MAR 25,81	700	700	1	26480.0	968	2	1		
MAR 27,81	MAR 26,81	700	700	1	24200.0	969	2	1		
MAR 28,81	MAR 27,81	700	700	1	25740.0	970	2	1		
MAR 29,81	MAR 28,81	700	700	1	27110.0	971	2	1		
MAR 30,81	MAR 29,81	700	700	1	25510.0	972	2	1		
MAR 31,81	MAR 30,81	700	700	1	25500.0	973	2	1		
APR 1,81	MAR 31,81	700	700	1	25130.0	976	2	1		
APR 2,81	APR 1,81	700	700	1	24440.0	977	2	1		
APR 3,81	APR 2,81	700	700	1	24910.0	978	2	1		
APR 4,81	APR 3,81	700	700	1	24140.0	979	2	1		
APR 5,81	APR 4,81	700	700	1	24530.0	980	2	1		
APR 6,81	APR 5,81	700	700	1	25420.0	981	2	1	J	
APR 7,81	APR 6,81	700	700	1	25990.0	982	2	1		
APR 8,81	APR 7,81	700	700	1	26300.0	2363	2	1		
APR 9,81	APR 8,81	700	700	1	24770.0	2364	2	1		
APR 10,81	APR 9,81	700	700	1	25880.0	2365	2	1		
APR 11,81	APR 10,81	700	700	1	23020.0	2366	2	1		
APR 12,81	APR 11,81	700	700	1	7500.0	2367	2	1	G	F
APR 13,81	APR 12,81	****	700	1	26150.0	2368	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
MAR 4,81	MAR 3,81		3.700		2.255		0.039		0.843		0.609		0.648
MAR 5,81	MAR 4,81		14.510		0.009		0.234		0.0		0.0		0.234
MAR 6,81	MAR 5,81		19.420		6.549		0.878		2.784		0.550		1.427
MAR 7,81	MAR 6,81	U	16.110	U	0.448	U	0.179	U	0.545	U	4.440		*******
MAR 8,81	MAR 7,81		1.747		1.001		0.043		0.288		0.036		0.079
MAR 9,81	MAR 8,81		1.299		1.894		0.035		0.785		0.303		0.338
MAR 10,81	MAR 9,81		10.540		4.072		0.118		2.575		1.595		1.713
MAR 11,81	MAR 10,81		2.366		3.201		0.069		1.770		1.317		1.386
MAR 12,81	MAR 11,81		3.744		1.336		0.043		0.591		0.054		0.097
MAR 13,81	MAR 12,81		0.529		0.229		0.012		0.061		0.045		0.057
MAR 14,81	MAR 13,81		0.881		1.419		0.026		0.365		0.046		0.071
MAR 15,81	MAR 14,81		5.134		1.637		0.146		0.093		0.537		0.683
MAR 16,81	MAR 15,81		9.972		5.711		0.115		1.477		0.817		0.931
MAR 17,81	MAR 16,81		7.641		1.498		0.040		0.529		0.256		0.295
MAR 18,81	MAR 17,81	U	0.0	U	1.025	U	0.0	U	0.182	U	0.994		*******
MAR 19,81	MAR 18,81		1.678		1.142		0.057		0.250		0.069		0.126
MAR 20,81	MAR 19,81		9.620		2.101		0.031		0.373		0.071		0.101
MAR 22,81	MAR 20,81		2.834		2.983		0.346		1.062		0.331		0.678
MAR 23,81	MAR 22,81		8.265		3.479		0.257		1.418		0.789		1.046
MAR 24,81	MAR 23,81		2.971		3.840		0.248		1.767		0.719		0.968
MAR 25,81	MAR 24,81		3.944		2.256		0.085		0.611		0.084		0.168
MAR 26,81	MAR 25,81		3.668		2.140		0.104		0.520		0.369		0.473
MAR 27,81	MAR 26,81		8.560		4.787		0.549		*******		1.086		1.635
MAR 28,81	MAR 27,81		5.716		4.734		0.450		1.530		0.322		0.772
MAR 29,81	MAR 28,81		32.390		8.184		1.180		*******		0.315		1.495
MAR 30,81	MAR 29,81		6.278		8.736		0.552		*******		0.580		1.132
MAR 31,81	MAR 30,81		5.770		3.696		0.209		1.905		0.854		1.063
APR 1,81	MAR 31,81		12.700		5.888		0.620		1.896		0.929		1.549
APR 2,81	APR 1,81		3.763		1.868		0.433		0.490		0.308		0.741
APR 3,81	APR 2,81		9.055		2.439		0.062		0.722		0.626		0.688
APR 4,81	APR 3,81		9.758		3.917		0.571		1.142		0.521		1.092
APR 5,81	APR 4,81		4.304		2.530		0.135		0.778		0.411		0.546
APR 6,81	APR 5,81		3.878		2.288		0.070		0.629		0.091		0.161
APR 7,81	APR 6,81		1.865		0.799		0.108		0.357		0.358		0.465
APR 8,81	APR 7,81		9.160		3.073		0.500		0.668		0.507		1.006
APR 9,81	APR 8,81		*******		3.244		0.442		0.972		0.778		1.220
APR 10,81	APR 9,81		*******		1.896		0.123		0.349		0.575		0.697
APR 11,81	APR 10,81		7.453		3.708		0.387		0.894		1.272		1.659
APR 12,81	APR 11,81	U	0.249	U	0.045	U	0.0	U	0.075	U	0.076		*******
APR 13,81	APR 12,81		3.265		2.117		0.063		0.795		0.454		0.517

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

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APR 14.81	APR 13.81	700	700	1	23130.0	2369	2	1		
APR 15.81	APR 14.81	700	700	1	27590.0	2392	2	1		
APR 16.81	APR 15.81	700	700	1	27810.0	2393	2	1		
APR 17.81	APR 16.81	700	700	1	25860.0	2394	2	1		
APR 18.81	APR 17.81	700	700	1	26050.0	2395	2	1		
APR 19.81	APR 18.81	700	700	1	27530.0	2396	2	1		
APR 20.81	APR 19.81	700	700	1	27530.0	2397	2	1		
APR 21.81	APR 20.81	700	700	1	29430.0	2398	2	1		
APR 22.81	APR 21.81	700	700	1	28210.0	2400	2	1		
APR 23.81	APR 22.81	700	700	1	24480.0	2401	2	1		
APR 24.81	APR 23.81	700	700	1	25490.0	2402	2	1	J	
APR 25.81	APR 24.81	700	700	1	26180.0	2403	2	1		
APR 26.81	APR 25.81	700	700	1	25700.0	2404	2	1		
APR 27.81	APR 26.81	700	700	1	25790.0	2405	2	1		
APR 28.81	APR 27.81	700	700	1	26780.0	15001	2	1		
APR 29.81	APR 28.81	700	700	1	22960.0	15002	2	1	J	
APR 30.81	APR 29.81	700	700	1	28260.0	15003	2	1		
MAY 2.81	MAY 1.81	1240	700	1	8340.0	15004	2	1	C	F
MAY 3.81	MAY 2.81	700	700	1	26940.0	15005	2	1		
MAY 4.81	MAY 3.81	700	700	1	26880.0	15006	2	1		
MAY 5.81	MAY 4.81	700	700	1	38810.0	15008	2	1		
MAY 6.81	MAY 5.81	700	700	1	24520.0	15009	2	1		
MAY 7.81	MAY 6.81	700	700	1	27000.0	15010	2	1		
MAY 8.81	MAY 7.81	700	700	1	26850.0	15011	2	1		
MAY 9.81	MAY 8.81	700	700	1	26490.0	15012	2	1		
MAY 10.81	MAY 9.81	700	700	1	24700.0	15013	2	1		
MAY 11.81	MAY 10.81	700	700	1	23780.0	15014	2	1		
MAY 12.81	MAY 11.81	700	700	1	23320.0	15015	2	1		
MAY 13.81	MAY 12.81	1000	700	1	22290.0	15018	2	1		
MAY 14.81	MAY 13.81	700	700	1	51750.0	15019	2	1	E	
MAY 15.81	MAY 14.81	700	700	1	23440.0	15020	2	1		
MAY 16.81	MAY 15.81	700	700	1	26870.0	15021	2	1		
MAY 17.81	MAY 16.81	700	700	1	27700.0	15022	2	1		
MAY 18.81	MAY 17.81	700	700	1	27790.0	15023	2	1		
MAY 19.81	MAY 18.81	700	1350	1	7420.0	15024	2	1		F
MAY 20.81	MAY 19.81	1350	700	1	20650.0	15026	2	1		
MAY 21.81	MAY 20.81	700	700	1	27870.0	15027	2	1		
MAY 22.81	MAY 21.81	700	700	1	27260.0	15028	2	1		
MAY 23.81	MAY 22.81	700	700	1	26910.0	15029	2	1		
MAY 24.81	MAY 23.81	700	700	1	26860.0	15030	2	1		

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REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
APR 14,81	APR 13,81		7.850		4.127		0.728		1.050		0.198		0.926
APR 15,81	APR 14,81		1.337		1.481		0.050		0.325		0.046		0.097
APR 16,81	APR 15,81		2.728		1.822		0.087		0.380		0.272		0.360
APR 17,81	APR 16,81		5.242		4.040		0.489		1.438		1.144		1.633
APR 18,81	APR 17,81		4.935		7.427		0.869		2.214		0.625		1.494
APR 19,81	APR 18,81		0.558		1.390		0.033		0.366		0.109		0.143
APR 20,81	APR 19,81		6.377		2.610		0.113		0.980		0.537		0.650
APR 21,81	APR 20,81		3.995		2.021		0.022		0.451		0.094		0.116
APR 22,81	APR 21,81		7.481		2.220		0.451		0.427		0.250		0.701
APR 23,81	APR 22,81		13.430		3.810		0.507		0.816		0.584		1.091
APR 24,81	APR 23,81		9.914		4.216		0.538		1.141		0.080		0.618
APR 25,81	APR 24,81		4.152		1.599		0.104		0.372		0.010		0.114
APR 26,81	APR 25,81		1.133		1.730		0.066		0.419		0.118		0.184
APR 27,81	APR 26,81		4.874		2.500		0.384		1.197		0.690		1.074
APR 28,81	APR 27,81		2.854		2.559		0.473		0.428		0.591		1.064
APR 29,81	APR 28,81		6.029		4.262		0.495		1.359		0.285		0.779
APR 30,81	APR 29,81		*******		3.781		0.278		1.122		0.116		0.394
MAY 2,81	MAY 1,81	U	5.375	U	0.942	U	0.073	U	0.360	U	0.094		*******
MAY 3,81	MAY 2,81		10.820		2.753		0.087		0.694		0.057		0.144
MAY 4,81	MAY 3,81		7.010		2.852		0.378		0.752		0.048		0.426
MAY 5,81	MAY 4,81		46.750		10.190		0.918		*******		0.536		1.454
MAY 6,81	MAY 5,81		9.555		7.580		0.484		1.624		0.545		1.029
MAY 7,81	MAY 6,81		1.392		1.958		0.022		0.244		0.141		0.164
MAY 8,81	MAY 7,81		2.644		2.620		0.116		0.288		0.273		0.388
MAY 9,81	MAY 8,81		8.467		4.298		0.523		0.439		0.618		1.141
MAY 10,81	MAY 9,81		13.660		6.067		0.207		*******		1.987		2.194
MAY 11,81	MAY 10,81		9.432		7.647		0.194		*******		2.505		2.699
MAY 12,81	MAY 11,81		3.044		2.747		0.069		1.086		0.346		0.415
MAY 13,81	MAY 12,81		0.041		1.015		0.0		1.389		0.0		0.0
MAY 14,81	MAY 13,81		0.276		2.279		0.172		0.981		0.465		0.637
MAY 15,81	MAY 14,81		6.027		3.794		0.212		0.775		0.801		1.013
MAY 16,81	MAY 15,81		4.997		1.635		0.120		1.003		0.040		0.159
MAY 17,81	MAY 16,81		4.487		2.351		0.080		0.785		0.048		0.128
MAY 18,81	MAY 17,81		7.711		*******		0.116		0.112		0.110		0.226
MAY 19,81	MAY 18,81	U	4.176	U	0.058	U	0.231	U	0.0	U	1.627		*******
MAY 20,81	MAY 19,81		3.114		1.957		0.059		0.399		0.225		0.284
MAY 21,81	MAY 20,81		6.002		2.837		0.151		0.473		0.489		0.641
MAY 22,81	MAY 21,81		12.010		5.534		0.833		0.869		0.622		1.455
MAY 23,81	MAY 22,81		5.845		6.869		0.963		1.122		0.793		1.756
MAY 24,81	MAY 23,81		9.579		12.210		1.497		2.822		1.524		3.021

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01 PAGE : 5

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAY 25,81	MAY 24,81	700	700	1	26960.0	15031	2	1		
MAY 26,81	MAY 25,81	700	700	1	26100.0	15032	2	1		
MAY 27,81	MAY 26,81	700	700	1	27320.0	15034	2	1		
MAY 28,81	MAY 27,81	700	700	1	24280.0	15035	2	1		
MAY 29,81	MAY 28,81	700	700	1	25710.0	15036	2	1		
MAY 30,81	MAY 29,81	700	700	1	26880.0	15037	2	1		
MAY 31,81	MAY 30,81	700	700	1	27380.0	15038	2	1		
JUN 1,81	MAY 31,81	700	700	1	28610.0	15039	2	1		
JUN 2,81	JUN 1,81	700	700	1	28070.0	15040	2	1		
JUN 3,81	JUN 2,81	700	700	1	26650.0	15043	2	1		
JUN 4,81	JUN 3,81	700	700	1	25820.0	15044	2	1	I	
JUN 5,81	JUN 4,81	700	700	1	25860.0	15045	2	1		
JUN 6,81	JUN 5,81	700	700	1	26200.0	15046	2	1		
JUN 7,81	JUN 6,81	700	700	1	27570.0	15047	2	1		
JUN 8,81	JUN 7,81	700	700	1	28330.0	15048	2	1		
JUN 9,81	JUN 8,81	700	700	1	26970.0	15049	2	1		
JUN 10,81	JUN 9,81	700	700	1	27500.0	15052	2	1		
JUN 11,81	JUN 10,81	700	700	1	26310.0	15053	2	1		
JUN 12,81	JUN 11,81	700	700	1	27180.0	15054	2	1		
JUN 13,81	JUN 12,81	700	700	1	27410.0	15055	2	1		
JUN 14,81	JUN 13,81	700	700	1	25480.0	15056	2	1		
JUN 15,81	JUN 14,81	700	700	1	25700.0	15057	2	1		
JUN 16,81	JUN 15,81	700	700	1	26390.0	15058	2	1		
JUN 17,81	JUN 16,81	700	700	1	26920.0	15061	2	1		
JUN 18,81	JUN 17,81	700	700	1	26850.0	15062	2	1		
JUN 19,81	JUN 18,81	700	700	1	27410.0	15063	2	1		
JUN 20,81	JUN 19,81	700	700	1	27230.0	15064	2	1		
JUN 21,81	JUN 20,81	700	700	1	27880.0	15065	2	1		
JUN 22,81	JUN 21,81	700	700	1	26810.0	15066	2	1		
JUN 23,81	JUN 22,81	700	700	1	5080.0	15067	2	1	G	F
JUN 24,81	JUN 23,81	700	700	1	27640.0	15070	2	1		
JUN 25,81	JUN 24,81	700	700	1	26900.0	15071	2	1		
JUN 26,81	JUN 25,81	700	700	1	27970.0	15072	2	1		
JUN 27,81	JUN 26,81	700	700	1	27970.0	15073	2	1		
JUN 28,81	JUN 27,81	700	700	1	28110.0	15074	2	1		
JUN 29,81	JUN 28,81	700	700	1	28180.0	15075	2	1		
JUN 30,81	JUN 29,81	700	700	1	28440.0	15076	2	1		
JUL 1,81	JUN 30,81	700	700	1	27650.0	15079	2	1		
JUL 2,81	JUL 1,81	700	700	1	26810.0	15080	2	1		
JUL 3,81	JUL 2,81	700	700	1	26720.0	15081	2	1	I	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01 PAGE : 6

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAY 25,81	MAY 24,81	22.300	16.610	1.555	4.469	0.866	2.421
MAY 26,81	MAY 25,81	5.528	4.286	0.610	1.053	0.580	1.190
MAY 27,81	MAY 26,81	7.385	5.030	0.704	1.090	0.768	1.472
MAY 28,81	MAY 27,81	10.640	5.722	0.300	3.236	1.639	1.939
MAY 29,81	MAY 28,81	0.834	6.415	0.176	1.909	0.536	0.713
MAY 30,81	MAY 29,81	10.580	9.261	0.885	2.644	0.941	1.826
MAY 31,81	MAY 30,81	2.003	1.104	0.129	0.297	0.083	0.213
JUN 1,81	MAY 31,81	2.965	0.924	0.080	0.259	0.054	0.134
JUN 2,81	JUN 1,81	10.740	3.300	0.413	0.947	0.304	0.717
JUN 3,81	JUN 2,81	18.060	17.130	1.630	2.039	0.438	2.068
JUN 4,81	JUN 3,81	8.305	9.516	0.617	2.691	0.528	1.145
JUN 5,81	JUN 4,81	1.215	4.436	0.655	0.985	0.307	0.961
JUN 6,81	JUN 5,81	7.306	6.592	1.085	1.057	0.921	2.006
JUN 7,81	JUN 6,81	1.746	1.883	0.349	0.435	0.152	0.501
JUN 8,81	JUN 7,81	8.063	2.055	0.192	0.476	0.218	0.410
JUN 9,81	JUN 8,81	9.693	6.478	0.468	1.898	0.498	0.966
JUN 10,81	JUN 9,81	6.604	1.524	0.195	0.303	0.260	0.455
JUN 11,81	JUN 10,81	10.210	1.973	0.401	0.427	0.186	0.587
JUN 12,81	JUN 11,81	4.621	3.742	0.694	0.844	0.796	1.490
JUN 13,81	JUN 12,81	6.881	5.900	1.436	1.585	1.319	2.755
JUN 14,81	JUN 13,81	6.224	8.348	0.630	3.228	1.379	2.009
JUN 15,81	JUN 14,81	5.276	7.071	0.547	2.130	0.811	1.358
JUN 16,81	JUN 15,81	8.662	11.210	0.950	2.927	0.922	1.872
JUN 17,81	JUN 16,81	5.212	3.416	0.579	0.843	0.349	0.928
JUN 18,81	JUN 17,81	0.209	2.073	0.644	0.607	0.473	1.116
JUN 19,81	JUN 18,81	6.662	9.028	1.003	2.272	0.616	1.619
JUN 20,81	JUN 19,81	2.776	6.701	0.745	1.652	0.576	1.321
JUN 21,81	JUN 20,81	1.876	1.997	0.484	0.451	0.319	0.803
JUN 22,81	JUN 21,81	2.447	11.170	0.999	3.491	0.499	1.499
JUN 23,81	JUN 22,81	U 12.910	U 0.387	U 0.0	U 0.056	U 0.028	*******
JUN 24,81	JUN 23,81	2.373	5.819	0.356	1.470	0.123	0.479
JUN 25,81	JUN 24,81	11.620	10.200	1.466	2.505	0.431	1.897
JUN 26,81	JUN 25,81	2.112	2.305	0.388	0.550	0.135	0.523
JUN 27,81	JUN 26,81	1.040	0.607	0.094	0.123	0.118	0.212
JUN 28,81	JUN 27,81	0.679	0.735	0.210	0.161	0.126	0.335
JUN 29,81	JUN 28,81	18.440	11.690	1.336	2.615	0.365	1.701
JUN 30,81	JUN 29,81	10.290	25.930	1.246	6.926	0.924	2.170
JUL 1,81	JUN 30,81	1.033	7.191	0.296	1.350	0.352	0.648
JUL 2,81	JUL 1,81	4.161	7.813	0.754	1.554	0.281	1.036
JUL 3,81	JUL 2,81	3.689	3.161	0.484	0.762	0.198	0.682

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUL 4,81	JUL 3,81	700	700	1	26450.0	15082	2	1		
JUL 5,81	JUL 4,81	700	700	1	25780.0	15083	2	1		
JUL 6,81	JUL 5,81	700	700	1	26180.0	15084	2	1		
JUL 7,81	JUL 6,81	700	700	1	27410.0	15085	2	1		
JUL 8,81	JUL 7,81	700	700	1	28370.0	15088	2	1		
JUL 9,81	JUL 8,81	700	700	1	28010.0	15089	2	1		
JUL 10,81	JUL 9,81	700	700	1	28430.0	15090	2	1		
JUL 11,81	JUL 10,81	700	700	1	28390.0	15091	2	1		
JUL 12,81	JUL 11,81	700	700	1	27890.0	15092	2	1		
JUL 13,81	JUL 12,81	700	700	1	27860.0	15093	2	1		
JUL 14,81	JUL 13,81	700	700	1	28650.0	15094	2	1		
JUL 15,81	JUL 14,81	700	700	1	29760.0	15097	2	1		
JUL 19,81	JUL 18,81	1050	700	1	20830.0	15101	2	1		
JUL 20,81	JUL 19,81	700	700	1	25060.0	15102	2	1		
JUL 21,81	JUL 20,81	700	700	1	25410.0	15103	2	1		
JUL 22,81	JUL 21,81	700	700	1	28220.0	15106	2	1		
JUL 23,81	JUL 22,81	700	700	1	28720.0	15107	2	1		
JUL 24,81	JUL 23,81	700	700	1	29270.0	15108	2	1		
JUL 25,81	JUL 24,81	700	200	1	28130.0	15109	2	1		
JUL 26,81	JUL 25,81	700	200	1	28150.0	15110	2	1		
JUL 27,81	JUL 26,81	700	700	1	27850.0	15111	2	1		
JUL 28,81	JUL 27,81	700	700	1	28740.0	15112	2	1		
JUL 29,81	JUL 28,81	700	700	1	27430.0	15115	2	1		
JUL 30,81	JUL 29,81	700	700	1	26690.0	15116	2	1		
JUL 31,81	JUL 30,81	700	700	1	26580.0	15117	2	1		
AUG 1,81	JUL 31,81	700	700	1	27150.0	15118	2	1		
AUG 3,81	AUG 1,81	700	700	1	52590.0	15119	2	1	A	Z
AUG 4,81	AUG 3,81	700	700	1	24800.0	15120	2	1		
AUG 5,81	AUG 4,81	700	700	1	26130.0	15124	2	1	I	
AUG 6,81	AUG 5,81	700	700	1	26100.0	15125	2	1		
AUG 7,81	AUG 6,81	700	700	1	26160.0	15126	2	1		
AUG 8,81	AUG 7,81	700	700	1	25160.0	15127	2	1		
AUG 9,81	AUG 8,81	700	700	1	24630.0	15128	2	1		
AUG 11,81	AUG 9,81	700	700	1	53030.0	15129	2	1	A	Z
AUG 12,81	AUG 11,81	1000	700	1	19310.0	15133	2	1		
AUG 13,81	AUG 12,81	700	700	1	25340.0	15134	2	1		
AUG 14,81	AUG 13,81	700	700	1	25380.0	15135	2	1		
AUG 16,81	AUG 14,81	700	700	1	50430.0	15136	2	1	A	Z
AUG 17,81	AUG 16,81	700	700	1	28280.0	15137	2	1		
AUG 18,81	AUG 17,81	700	700	1	27260.0	15138	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUL 4,81	JUL 3,81	12.690	12.760	1.460	2.407	0.030	1.490
JUL 5,81	JUL 4,81	6.267	25.660	1.626	4.653	0.001	1.627
JUL 6,81	JUL 5,81	0.965	15.260	1.094	4.162	0.059	1.153
JUL 7,81	JUL 6,81	0.313	8.919	0.453	2.596	0.330	0.783
JUL 8,81	JUL 7,81	8.552	4.097	1.049	1.599	0.125	1.174
JUL 9,81	JUL 8,81	14.930	22.700	1.752	3.924	0.251	2.003
JUL 10,81	JUL 9,81	2.965	5.025	0.330	0.940	0.422	0.751
JUL 11,81	JUL 10,81	0.619	1.069	0.126	0.103	0.230	0.356
JUL 12,81	JUL 11,81	1.588	4.333	0.469	0.779	0.512	0.981
JUL 13,81	JUL 12,81	10.810	20.560	1.629	3.586	0.181	1.810
JUL 14,81	JUL 13,81	0.848	8.267	0.536	2.074	0.132	0.669
JUL 15,81	JUL 14,81	0.032	0.348	0.053	0.019	0.077	0.130
JUL 19,81	JUL 18,81	2.813	15.570	0.998	4.597	0.799	1.797
JUL 20,81	JUL 19,81	9.919	31.320	1.727	5.653	< 0.006	1.730
JUL 21,81	JUL 20,81	9.113	23.010	0.916	5.221	0.006	0.922
JUL 22,81	JUL 21,81	0.008	1.400	0.062	0.250	0.054	0.116
JUL 23,81	JUL 22,81	0.066	0.417	0.035	0.009	0.118	0.153
JUL 24,81	JUL 23,81	1.888	3.098	0.325	0.340	0.210	0.535
JUL 25,81	JUL 24,81	4.926	7.162	0.722	1.296	0.583	1.304
JUL 26,81	JUL 25,81	9.079	20.870	1.794	3.977	0.041	1.835
JUL 27,81	JUL 26,81	1.985	7.808	0.278	1.973	0.032	0.310
JUL 28,81	JUL 27,81	0.066	0.809	0.113	0.138	0.144	0.257
JUL 29,81	JUL 28,81	3.486	2.894	0.303	0.771	0.014	0.316
JUL 30,81	JUL 29,81	0.914	1.218	0.126	0.263	0.094	0.219
JUL 31,81	JUL 30,81	0.914	1.129	0.192	0.137	0.169	0.361
AUG 1,81	JUL 31,81	3.351	3.867	0.503	0.560	0.184	0.687
AUG 3,81	AUG 1,81	*******	25.480	1.633	4.982	0.019	1.652
AUG 4,81	AUG 3,81	2.995	21.980	0.942	5.323	0.020	0.962
AUG 5,81	AUG 4,81	4.665	11.590	0.941	2.904	0.053	0.994
AUG 6,81	AUG 5,81	1.095	1.738	0.049	0.266	0.130	0.179
AUG 7,81	AUG 6,81	1.730	3.454	0.288	0.257	0.493	0.781
AUG 8,81	AUG 7,81	8.131	9.533	1.005	2.332	0.016	1.021
AUG 9,81	AUG 8,81	1.026	3.263	0.397	0.969	0.178	0.576
AUG 11,81	AUG 9,81	5.121	11.180	0.869	2.845	0.106	0.975
AUG 12,81	AUG 11,81	4.084	4.531	0.440	1.054	0.201	0.641
AUG 13,81	AUG 12,81	6.201	5.880	0.762	1.105	0.702	1.464
AUG 14,81	AUG 13,81	13.560	9.220	1.182	1.608	0.701	1.883
AUG 16,81	AUG 14,81	8.272	16.860	1.283	3.926	0.050	1.333
AUG 17,81	AUG 16,81	6.370	2.433	0.106	0.654	0.044	0.150
AUG 18,81	AUG 17,81	4.774	1.607	0.064	0.299	0.092	0.156

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01 PAGE : 9

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
AUG 19,81	AUG 18,81	700	700	1	24640.0	15142	2	1		
AUG 20,81	AUG 19,81	700	700	1	27810.0	15143	2	1		
AUG 21,81	AUG 20,81	700	700	1	27830.0	15144	2	1		
AUG 22,81	AUG 21,81	700	700	1	27760.0	15145	2	1		
AUG 23,81	AUG 22,81	700	700	1	27920.0	15146	2	1		
AUG 24,81	AUG 23,81	700	700	1	28020.0	15147	2	1		
AUG 25,81	AUG 24,81	700	700	1	27190.0	15148	2	1		
AUG 26,81	AUG 25,81	700	700	1	26240.0	15150	2	1		
AUG 27,81	AUG 26,81	700	700	1	29120.0	15151	2	1		
AUG 28,81	AUG 27,81	700	700	1	25140.0	15152	2	1		
AUG 29,81	AUG 28,81	700	700	1	24810.0	15153	2	1		
AUG 30,81	AUG 29,81	700	700	1	26900.0	15154	2	1		
AUG 31,81	AUG 30,81	700	700	1	24970.0	15155	2	1		
SEP 1,81	AUG 31,81	700	700	1	25950.0	15156	2	1		
SEP 2,81	SEP 1,81	700	700	1	25350.0	15158	2	1		
SEP 3,81	SEP 2,81	700	700	1	24650.0	15159	2	1		
SEP 4,81	SEP 3,81	700	700	1	290.0	15160	2	1	G	F
SEP 5,81	SEP 4,81	700	700	1	26740.0	15161	2	1		
SEP 6,81	SEP 5,81	700	700	1	27280.0	15162	2	1		
SEP 7,81	SEP 6,81	700	700	1	26420.0	15163	2	1		
SEP 8,81	SEP 7,81	700	700	1	26990.0	15164	2	1		
SEP 9,81	SEP 8,81	700	700	1	20080.0	15166	2	1	I	
SEP 10,81	SEP 9,81	700	700	1	28470.0	15167	2	1		
SEP 11,81	SEP 10,81	700	700	1	26500.0	15168	2	1		
SEP 12,81	SEP 11,81	700	700	1	25960.0	15169	2	1		
SEP 13,81	SEP 12,81	700	700	1	26200.0	15170	2	1		
SEP 14,81	SEP 13,81	700	700	1	26120.0	15171	2	1	I	
SEP 15,81	SEP 14,81	700	700	1	26560.0	15172	2	1		
SEP 16,81	SEP 15,81	700	700	1	28450.0	15174	2	1		
SEP 17,81	SEP 16,81	700	700	1	27020.0	15175	2	1		
SEP 18,81	SEP 17,81	700	700	1	25770.0	15176	2	1		
SEP 19,81	SEP 18,81	700	700	1	26620.0	15177	2	1		
SEP 20,81	SEP 19,81	700	700	1	27700.0	15178	2	1		
SEP 21,81	SEP 20,81	700	700	1	27000.0	15179	2	1		
SEP 22,81	SEP 21,81	700	700	1	26100.0	15180	2	1	HI	
SEP 23,81	SEP 22,81	700	700	1	27890.0	15182	2	1		
SEP 24,81	SEP 23,81	700	700	1	28010.0	15183	2	1		
SEP 25,81	SEP 24,81	700	700	1	27860.0	15184	2	1		
SEP 26,81	SEP 25,81	700	700	1	25620.0	15185	2	1		
SEP 27,81	SEP 26,81	700	700	1	26710.0	15186	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
AUG 19,81	AUG 18,81		3.731		3.379		0.271		0.303		0.320		0.591
AUG 20,81	AUG 19,81		0.909		3.936		0.544		0.430		0.482		1.026
AUG 21,81	AUG 20,81		8.932		5.191		0.644		0.699		0.420		1.064
AUG 22,81	AUG 21,81		7.153		5.888		0.819		0.690		0.293		1.112
AUG 23,81	AUG 22,81		11.550		8.935		1.151		1.331		0.265		1.416
AUG 24,81	AUG 23,81		11.010		19.430		1.147		3.389		0.738		1.885
AUG 25,81	AUG 24,81		0.808		3.198		0.071		0.760		0.116		0.187
AUG 26,81	AUG 25,81		1.280		5.230		0.227		0.321		0.360		0.587
AUG 27,81	AUG 26,81		*******		14.070		1.209		2.312		0.209		1.417
AUG 28,81	AUG 27,81		9.092		15.030		0.756		4.531		1.606		2.362
AUG 29,81	AUG 28,81		7.316		25.710		1.581		6.446		0.013		1.594
AUG 30,81	AUG 29,81		8.869		21.180		1.264		5.164		0.012		1.276
AUG 31,81	AUG 30,81		2.482		7.083		0.617		2.151		0.353		0.971
SEP 1,81	AUG 31,81		5.610		9.012		1.107		2.740		0.427		1.534
SEP 2,81	SEP 1,81		13.050		13.670		1.503		3.638		0.0		1.503
SEP 3,81	SEP 2,81		0.212		4.094		0.327		1.039		0.296		0.623
SEP 4,81	SEP 3,81	U	6.581	U	4.926	U	0.0	U	0.911	U	0.123		*******
SEP 5,81	SEP 4,81		4.172		4.373		0.612		1.470		0.373		0.985
SEP 6,81	SEP 5,81		2.638		6.852		0.874		1.844		0.130		1.004
SEP 7,81	SEP 6,81		0.449		2.942		0.174		0.667		0.068		0.242
SEP 8,81	SEP 7,81		8.469		26.340		0.728		2.961		0.131		0.859
SEP 9,81	SEP 8,81		0.227		0.685		0.0		0.118		0.082		0.082
SEP 10,81	SEP 9,81		3.366		1.187		0.184		0.149		0.216		0.400
SEP 11,81	SEP 10,81		6.786		5.509		0.479		0.395		0.607		1.086
SEP 12,81	SEP 11,81		6.272		10.090		0.963		1.802		1.094		2.057
SEP 13,81	SEP 12,81		0.364		3.855		0.191		0.028		0.473		0.664
SEP 14,81	SEP 13,81		7.765		17.230		1.225		4.632		1.022		2.247
SEP 15,81	SEP 14,81		3.759		8.697		0.715		1.524		0.561		1.276
SEP 16,81	SEP 15,81		0.0		2.109		0.048		0.122		0.145		0.193
SEP 17,81	SEP 16,81		1.696		2.635		0.161		0.407		0.204		0.365
SEP 18,81	SEP 17,81		0.630		1.118		0.130		0.266		0.126		0.256
SEP 19,81	SEP 18,81		1.485		1.172		0.126		0.284		0.169		0.295
SEP 20,81	SEP 19,81		3.243		1.986		0.338		0.440		0.426		0.764
SEP 21,81	SEP 20,81		0.845		0.463		0.069		0.111		0.056		0.124
SEP 22,81	SEP 21,81		1.131		0.958		0.157		0.345		0.153		0.311
SEP 23,81	SEP 22,81		0.0		1.415		0.077		0.366		0.059		0.136
SEP 24,81	SEP 23,81		5.049		2.259		0.050		0.578		0.085		0.135
SEP 25,81	SEP 24,81		1.487		1.280		0.131		0.174		0.613		0.744
SEP 26,81	SEP 25,81		3.178		4.663		0.767		2.049		1.409		2.176
SEP 27,81	SEP 26,81		17.650		14.960		1.211		3.699		0.108		1.319

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
SEP 28,81	SEP 27,81	700	700	1	28330.0	15187	2	1		
SEP 29,81	SEP 28,81	700	700	1	28130.0	15188	2	1		
SEP 30,81	SEP 29,81	700	700	1	28340.0	15190	2	1		
OCT 1,81	SEP 30,81	700	700	1	27840.0	15191	2	1		
OCT 2,81	OCT 1,81	700	700	1	28050.0	15192	2	1		
OCT 3,81	OCT 2,81	700	700	1	26550.0	15193	2	1		
OCT 4,81	OCT 3,81	700	700	1	27380.0	15194	2	1		
OCT 5,81	OCT 4,81	700	700	1	28710.0	15195	2	1		
OCT 6,81	OCT 5,81	700	700	1	26790.0	15196	2	1		
OCT 7,81	OCT 6,81	700	700	1	28460.0	15198	2	1		
OCT 8,81	OCT 7,81	700	700	1	26770.0	15199	2	1		
OCT 9,81	OCT 8,81	700	700	1	26210.0	15200	2	1		
OCT 10,81	OCT 9,81	700	700	1	28930.0	15201	2	1		
OCT 11,81	OCT 10,81	700	700	1	29310.0	15202	2	1		
OCT 12,81	OCT 11,81	700	700	1	28640.0	15203	2	1		
OCT 13,81	OCT 12,81	700	700	1	30640.0	15204	2	1		
OCT 14,81	OCT 13,81	700	700	1	27910.0	15206	2	1		
OCT 15,81	OCT 14,81	700	700	1	27080.0	15207	2	1	IJ	
OCT 16,81	OCT 15,81	700	700	1	26110.0	15208	2	1	IJ	
OCT 17,81	OCT 16,81	700	700	1	27150.0	15209	2	1	I	
OCT 18,81	OCT 17,81	700	700	1	28320.0	15210	2	1	IJ	
OCT 19,81	OCT 18,81	700	700	1	28690.0	15211	2	1	I	
OCT 20,81	OCT 19,81	700	700	1	30070.0	15212	2	1		
OCT 21,81	OCT 20,81	700	700	1	28820.0	15214	2	1		
OCT 22,81	OCT 21,81	700	700	1	24650.0	15215	2	1		
OCT 23,81	OCT 22,81	700	700	1	24030.0	15216	2	1		
OCT 24,81	OCT 23,81	700	700	1	29030.0	15217	2	1		
OCT 25,81	OCT 24,81	700	700	1	29020.0	15218	2	1		
OCT 26,81	OCT 25,81	700	700	1	28290.0	15219	2	1		
OCT 27,81	OCT 26,81	700	700	1	24410.0	15220	2	1		
OCT 28,81	OCT 27,81	700	700	1	24920.0	15222	2	1	J	
OCT 29,81	OCT 28,81	700	700	1	27950.0	15223	2	1		
OCT 30,81	OCT 29,81	700	700	1	27210.0	15224	2	1		
OCT 31,81	OCT 30,81	700	700	1	27810.0	15225	2	1		
NOV 1,81	OCT 31,81	700	700	1	28300.0	15226	2	1		
NOV 2,81	NOV 1,81	700	700	1	24920.0	15227	2	1		
NOV 3,81	NOV 2,81	700	700	1	27150.0	15228	2	1	J	
NOV 4,81	NOV 3,81	700	700	1	27530.0	15230	2	1	J	
NOV 5,81	NOV 4,81	1130	700	1	19970.0	15231	2	1		
NOV 6,81	NOV 5,81	700	700	1	25900.0	15232	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
SEP 28.81	SEP 27.81		1.568	1.481	0.190	0.501	0.093	0.284
SEP 29.81	SEP 28.81		0.527	0.649	0.094	0.178	0.121	0.215
SEP 30.81	SEP 29.81		0.305	1.523	0.168	0.179	0.269	0.437
OCT 1.81	SEP 30.81		10.870	2.112	0.135	0.376	0.413	0.548
OCT 2.81	OCT 1.81		7.332	2.941	0.250	0.801	0.080	0.330
OCT 3.81	OCT 2.81		1.094	0.235	0.0	0.009	0.019	0.019
OCT 4.81	OCT 3.81		0.572	1.322	0.073	0.540	0.438	0.511
OCT 5.81	OCT 4.81		7.860	4.145	0.373	1.873	0.975	1.348
OCT 6.81	OCT 5.81		9.319	14.000	1.221	4.889	1.560	2.781
OCT 7.81	OCT 6.81		0.0	0.615	0.059	0.215	0.184	0.243
OCT 8.81	OCT 7.81		0.304	0.702	0.035	0.154	0.019	0.053
OCT 9.81	OCT 8.81		0.180	0.382	0.045	0.093	0.038	0.083
OCT 10.81	OCT 9.81		6.513	1.860	0.144	0.520	0.346	0.490
OCT 11.81	OCT 10.81		6.531	1.494	0.262	0.397	0.409	0.671
OCT 12.81	OCT 11.81		7.278	2.053	0.382	0.406	0.622	1.003
OCT 13.81	OCT 12.81		5.595	1.877	0.283	0.566	0.418	0.701
OCT 14.81	OCT 13.81		8.041	2.041	0.723	0.288	0.197	0.920
OCT 15.81	OCT 14.81		19.620	1.180	0.348	0.105	0.092	0.441
OCT 16.81	OCT 15.81		8.098	3.235	0.342	0.634	0.278	0.620
OCT 17.81	OCT 16.81		0.421	0.809	0.071	0.197	0.092	0.163
OCT 18.81	OCT 17.81		11.840	3.865	0.464	0.845	0.318	0.781
OCT 19.81	OCT 18.81		2.026	1.114	0.093	0.275	0.061	0.154
OCT 20.81	OCT 19.81		5.601	1.146	0.189	0.384	0.233	0.422
OCT 21.81	OCT 20.81		8.383	1.899	0.250	0.621	0.321	0.571
OCT 22.81	OCT 21.81		1.160	1.434	0.151	0.426	0.142	0.293
OCT 23.81	OCT 22.81		1.748	1.367	0.030	0.791	0.364	0.394
OCT 24.81	OCT 23.81		4.085	1.862	0.137	0.947	0.489	0.626
OCT 25.81	OCT 24.81		4.190	0.701	0.137	0.965	0.121	0.257
OCT 26.81	OCT 25.81	U	68.530	2.356	0.810	2.255	0.239	1.049
OCT 27.81	OCT 26.81		9.078	2.985	0.513	*******	0.533	1.045
OCT 28.81	OCT 27.81		6.747	4.274	0.126	1.806	0.421	0.547
OCT 29.81	OCT 28.81		4.953	5.796	0.130	1.771	0.626	0.756
OCT 30.81	OCT 29.81		9.351	5.513	0.235	0.717	0.551	0.786
OCT 31.81	OCT 30.81		12.390	8.055	0.771	2.787	1.079	1.850
NOV 1.81	OCT 31.81		17.610	7.138	0.772	1.986	0.972	1.743
NOV 2.81	NOV 1.81		17.590	*******	0.194	*******	0.251	0.445
NOV 3.81	NOV 2.81		1.404	3.757	0.199	1.344	0.534	0.733
NOV 4.81	NOV 3.81		3.081	1.954	0.232	0.763	0.890	1.122
NOV 5.81	NOV 4.81		13.590	9.006	0.989	*******	2.313	3.302
NOV 6.81	NOV 5.81		14.840	8.411	0.791	3.135	1.313	2.104

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
NOV 7.81	NOV 6.81	700	700	1	28080.0	15233	2	1		
NOV 8.81	NOV 7.81	700	700	1	29270.0	15234	2	1		
NOV 9.81	NOV 8.81	700	700	1	28870.0	15235	2	1		
NOV 10.81	NOV 9.81	700	700	1	29980.0	15236	2	1		
NOV 11.81	NOV 10.81	700	700	1	28860.0	15238	2	1		
NOV 12.81	NOV 11.81	700	700	1	28490.0	15239	2	1		
NOV 13.81	NOV 12.81	700	700	1	27860.0	15240	2	1		
NOV 14.81	NOV 13.81	700	700	1	27500.0	15241	2	1	I	
NOV 15.81	NOV 14.81	700	700	1	28060.0	15242	2	1		
NOV 16.81	NOV 15.81	700	700	1	27720.0	15243	2	1		
NOV 17.81	NOV 16.81	700	700	1	27500.0	15244	2	1		
NOV 18.81	NOV 17.81	700	700	1	27080.0	15246	2	1		
NOV 19.81	NOV 18.81	700	700	1	25670.0	15247	2	1		
NOV 20.81	NOV 19.81	700	700	1	23370.0	15248	2	1		
NOV 21.81	NOV 20.81	700	700	1	23690.0	15249	2	1		
NOV 22.81	NOV 21.81	700	700	1	27390.0	15250	2	1	I	
NOV 23.81	NOV 22.81	700	700	1	28240.0	15251	2	1		
NOV 24.81	NOV 23.81	700	700	1	28290.0	15252	2	1		
NOV 25.81	NOV 24.81	700	700	1	28520.0	15254	2	1		
NOV 26.81	NOV 25.81	700	700	1	27340.0	15255	2	1		
NOV 27.81	NOV 26.81	700	700	1	25820.0	15256	2	1		
NOV 28.81	NOV 27.81	700	700	1	27880.0	15257	2	1		
NOV 29.81	NOV 28.81	700	700	1	28540.0	15258	2	1		
NOV 30.81	NOV 29.81	700	700	1	28580.0	15259	2	1		
DEC 1.81	NOV 30.81	700	700	1	28350.0	15260	2	1		
DEC 2.81	DEC 1.81	700	700	1	26910.0	15262	2	1		
DEC 3.81	DEC 2.81	700	700	1	28540.0	15263	2	1		
DEC 4.81	DEC 3.81	700	700	1	28370.0	15264	2	1		
DEC 5.81	DEC 4.81	700	700	1	30090.0	15265	2	1		
DEC 6.81	DEC 5.81	700	700	1	29120.0	15266	2	1		
DEC 7.81	DEC 6.81	700	700	1	30660.0	15267	2	1		
DEC 8.81	DEC 7.81	700	700	1	28530.0	15268	2	1		
DEC 9.81	DEC 8.81	700	700	1	25730.0	15270	2	1		
DEC 10.81	DEC 9.81	700	700	1	28680.0	15271	2	1		
DEC 11.81	DEC 10.81	700	700	1	29400.0	15272	2	1		
DEC 13.81	DEC 11.81	700	700	1	57870.0	15273	2	1	A	Z
DEC 14.81	DEC 13.81	700	700	1	27650.0	15274	2	1		
DEC 15.81	DEC 14.81	700	700	1	25200.0	15275	2	1		
DEC 17.81	DEC 15.81	700	700	1	57170.0	15278	2	1		Z
DEC 18.81	DEC 17.81	700	700	1	28370.0	15279	2	1	I	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
NOV 7,81	NOV 6,81	0.168	0.235	0.027	0.128	0.018	0.045
NOV 8,81	NOV 7,81	2.328	0.911	0.120	0.376	0.342	0.461
NOV 9,81	NOV 8,81	10.790	2.957	0.371	1.697	1.160	1.531
NOV 10,81	NOV 9,81	2.606	0.762	0.058	0.258	0.133	0.192
NOV 11,81	NOV 10,81	16.780	3.413	0.373	1.482	1.126	1.498
NOV 12,81	NOV 11,81	1.323	1.492	0.140	0.456	0.334	0.474
NOV 13,81	NOV 12,81	12.250	2.505	0.126	0.889	0.628	0.754
NOV 14,81	NOV 13,81	16.880	3.593	0.282	1.519	1.164	1.446
NOV 15,81	NOV 14,81	44.340	4.811	0.410	2.494	0.891	1.301
NOV 16,81	NOV 15,81	6.901	2.525	0.350	1.507	1.389	1.739
NOV 17,81	NOV 16,81	2.945	1.182	0.091	0.472	0.371	0.462
NOV 18,81	NOV 17,81	4.507	3.323	0.125	1.660	0.741	0.866
NOV 19,81	NOV 18,81	1.651	1.901	0.045	0.436	0.266	0.310
NOV 20,81	NOV 19,81	8.930	3.372	0.049	1.133	0.452	0.501
NOV 21,81	NOV 20,81	3.338	0.633	0.069	0.151	0.014	0.083
NOV 22,81	NOV 21,81	3.008	0.869	0.060	0.237	0.039	0.099
NOV 23,81	NOV 22,81	4.203	2.082	0.209	0.559	0.073	0.282
NOV 24,81	NOV 23,81	15.050	5.620	0.535	1.625	0.656	1.192
NOV 25,81	NOV 24,81	5.572	4.680	0.326	1.459	0.912	1.237
NOV 26,81	NOV 25,81	6.167	2.175	0.148	1.029	0.761	0.908
NOV 27,81	NOV 26,81	18.420	4.704	0.282	1.485	0.445	0.728
NOV 28,81	NOV 27,81	6.406	4.106	0.351	1.332	0.126	0.477
NOV 29,81	NOV 28,81	1.472	< 0.025	0.080	0.881	0.018	0.098
NOV 30,81	NOV 29,81	2.050	1.381	0.080	0.558	0.262	0.342
DEC 1,81	NOV 30,81	11.940	3.544	0.356	1.257	0.617	0.973
DEC 2,81	DEC 1,81	13.830	3.100	0.316	1.034	0.177	0.493
DEC 3,81	DEC 2,81	8.255	4.270	0.375	1.826	0.683	1.059
DEC 4,81	DEC 3,81	11.940	5.282	0.272	2.894	1.710	1.982
DEC 5,81	DEC 4,81	8.827	2.837	0.115	0.991	1.030	1.145
DEC 6,81	DEC 5,81	3.146	1.128	0.059	0.485	0.137	0.196
DEC 7,81	DEC 6,81	13.330	2.539	0.323	1.357	0.581	0.904
DEC 8,81	DEC 7,81	17.830	4.692	0.130	2.791	1.753	1.883
DEC 9,81	DEC 8,81	10.200	1.242	0.036	0.406	0.044	0.081
DEC 10,81	DEC 9,81	0.662	0.811	0.0	0.260	0.031	0.031
DEC 11,81	DEC 10,81	1.782	1.043	0.0	0.321	0.047	0.047
DEC 13,81	DEC 11,81	12.190	2.911	0.059	0.838	0.309	0.368
DEC 14,81	DEC 13,81	15.760	5.225	0.233	2.926	1.714	1.946
DEC 15,81	DEC 14,81	21.020	9.185	0.771	4.671	2.170	2.941
DEC 17,81	DEC 15,81	16.650	2.988	0.065	1.524	1.021	1.086
DEC 18,81	DEC 17,81	6.646	2.360	0.052	0.528	0.458	0.510

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01 PAGE : 15

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
DEC 19,81	DEC 18,81	700	700	1	28690.0	15280	2	1		
DEC 21,81	DEC 19,81	700	700	1	59200.0	15281	2	1	T	Z
DEC 22,81	DEC 21,81	700	700	1	25910.0	15282	2	1		
DEC 23,81	DEC 22,81	700	700	1	27150.0	15286	2	1		
DEC 24,81	DEC 23,81	700	700	1	29260.0	15287	2	1		
DEC 26,81	DEC 24,81	700	700	1	59120.0	15288	2	1	A	Z
DEC 27,81	DEC 26,81	700	700	1	30170.0	15289	2	1		
DEC 28,81	DEC 27,81	700	700	1	30770.0	15290	2	1		
DEC 29,81	DEC 28,81	700	700	1	30910.0	15291	2	1		
DEC 30,81	DEC 29,81	700	700	1	31090.0	15292	2	1		
DEC 31,81	DEC 30,81	700	700	1	31550.0	15294	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : LONGWOODS/DAILY/SEQUENTIAL #01

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
DEC 19.81	DEC 18.81		18.910		3.118		0.068		0.574		0.314		0.382
DEC 21.81	DEC 19.81		9.502		2.271		0.299		0.684		0.338		0.637
DEC 22.81	DEC 21.81		18.080		2.777		0.444		0.686		0.039		0.483
DEC 23.81	DEC 22.81		19.740		5.089		0.0		0.557		0.013		0.013
DEC 24.81	DEC 23.81		31.290		4.504		0.752		2.151		0.621		1.372
DEC 26.81	DEC 24.81	U	34.820	U	5.054	U	0.397	U	0.851	U	1.833		*******
DEC 27.81	DEC 26.81		29.350		6.721		1.061		3.203		1.841		2.902
DEC 28.81	DEC 27.81		52.600		5.778		0.796		2.410		0.938		1.734
DEC 29.81	DEC 28.81		18.940		*******		0.776		3.402		*******		*******
DEC 30.81	DEC 29.81		18.190		6.040		0.563		2.626		1.034		1.597
DEC 31.81	DEC 30.81		27.020		8.297		1.078		3.063		1.026		2.104

PART IV

CENTRAL REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 1

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUL 26,80	JUL 25,80	700	700	1	10960.0	2240	2	1	C	
JUL 27,80	JUL 26,80	700	700	1	20.0	499	2	1	A	F
JUL 28,80	JUL 27,80	700	700	1	20380.0	500	2	1		
JUL 29,80	JUL 28,80	700	700	1	7750.0	501	2	1		F
JUL 30,80	JUL 29,80	700	700	1	18820.0	503	2	1		
JUL 31,80	JUL 30,80	700	700	1	20320.0	504	2	1	E	
AUG 1,80	JUL 31,80	700	700	1	18870.0	505	2	1	E	
AUG 2,80	AUG 1,80	700	700	1	13310.0	506	2	1	C	
AUG 6,80	AUG 5,80	700	700	1	12020.0	507	2	1	C	
AUG 7,80	AUG 6,80	700	700	1	23220.0	508	2	1		
AUG 8,80	AUG 7,80	700	700	1	24880.0	512	2	1		
AUG 9,80	AUG 8,80	700	700	1	26490.0	513	2	1		
AUG 10,80	AUG 9,80	700	700	1	27200.0	514	2	1	E	
AUG 11,80	AUG 10,80	700	700	1	26130.0	515	2	1		
AUG 12,80	AUG 11,80	700	700	1	26980.0	516	2	1		
AUG 13,80	AUG 12,80	700	700	1	27910.0	517	2	1		
AUG 14,80	AUG 13,80	700	700	1	26680.0	518	2	1	C	
AUG 15,80	AUG 14,80	700	700	1	11260.0	527	2	1	CE	
AUG 16,80	AUG 15,80	700	700	1	29590.0	526	2	1		
AUG 17,80	AUG 16,80	700	700	1	28420.0	523	2	1		
AUG 18,80	AUG 17,80	700	700	1	18810.0	524	2	1		
AUG 19,80	AUG 18,80	700	700	1	28960.0	522	2	1	E	
AUG 20,80	AUG 19,80	700	700	1	29020.0	525	2	1		
AUG 21,80	AUG 20,80	700	700	1	11300.0	520	2	1	C	
AUG 22,80	AUG 21,80	700	700	1	27120.0	529	2	1		
AUG 23,80	AUG 22,80	700	700	1	24060.0	530	2	1		
AUG 24,80	AUG 23,80	700	700	1	27010.0	531	2	1		
AUG 25,80	AUG 24,80	700	700	1	7660.0	532	2	1	C	F
AUG 26,80	AUG 25,80	700	700	1	23790.0	533	2	1		
AUG 27,80	AUG 26,80	700	700	1	26080.0	534	2	1		
AUG 28,80	AUG 27,80	700	700	1	28400.0	536	2	1		
AUG 29,80	AUG 28,80	700	700	1	28110.0	537	2	1		
AUG 30,80	AUG 29,80	700	700	1	18590.0	538	2	1	C	
AUG 31,80	AUG 30,80	700	700	1	7010.0	539	2	1	C	F
SEP 1,80	AUG 31,80	700	700	1	********	2232	2	1	KB	
SEP 2,80	SEP 1,80	700	700	1	********	2233	2	1	KB	
SEP 3,80	SEP 2,80	700	700	1	26000.0	540	2	1		
SEP 4,80	SEP 3,80	700	700	1	25600.0	541	2	1		
SEP 5,80	SEP 4,80	700	700	1	26270.0	542	2	1		
SEP 6,80	SEP 5,80	700	700	1	26110.0	546	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUL 26.80	JUL 25.80	< 0.174	< 0.065	0.189	0.073	< 0.026	0.202
JUL 27.80	JUL 26.80	U 95.430	U 35.710	U 0.0	U 0.0	U 14.290	*******
JUL 28.80	JUL 27.80	0.0	5.028	0.163	< 0.014	< 0.014	0.170
JUL 29.80	JUL 28.80	*******	*******	*******	*******	*******	*******
JUL 30.80	JUL 29.80	< 0.013	3.849	0.224	1.134	< 0.002	0.225
JUL 31.80	JUL 30.80	1.568	2.055	0.059	0.386	< 0.014	0.066
AUG 1.80	JUL 31.80	< 0.101	2.610	0.156	0.550	< 0.015	0.163
AUG 2.80	AUG 1.80	< 0.143	15.950	0.637	0.303	< 0.021	0.647
AUG 6.80	AUG 5.80	U 0.711	U 30.140	U 0.559	U 1.929	U 0.024	*******
AUG 7.80	AUG 6.80	< 0.010	3.152	0.185	0.837	< 0.002	0.186
AUG 8.80	AUG 7.80	0.0	13.220	0.479	2.005	< 0.011	0.485
AUG 9.80	AUG 8.80	0.327	7.469	0.241	0.864	< 0.011	0.247
AUG 10.80	AUG 9.80	< 0.070	0.381	< 0.015	0.101	< 0.010	0.013
AUG 11.80	AUG 10.80	< 0.073	0.396	0.035	0.085	< 0.011	0.040
AUG 12.80	AUG 11.80	< 0.071	2.141	0.026	0.459	< 0.011	0.031
AUG 13.80	AUG 12.80	< 0.068	4.044	0.104	0.469	< 0.010	0.109
AUG 14.80	AUG 13.80	0.944	1.757	0.132	0.313	0.0	0.132
AUG 15.80	AUG 14.80	3.869	5.396	0.543	1.196	0.026	0.570
AUG 16.80	AUG 15.80	1.472	0.702	0.021	0.120	< 0.009	0.025
AUG 17.80	AUG 16.80	0.120	0.241	0.022	0.034	< 0.010	0.027
AUG 18.80	AUG 17.80	0.631	0.371	0.046	0.071	0.016	0.061
AUG 19.80	AUG 18.80	2.171	9.477	0.492	1.346	< 0.011	0.498
AUG 20.80	AUG 19.80	0.581	5.874	0.149	1.067	< 0.011	0.154
AUG 21.80	AUG 20.80	0.756	7.747	0.249	1.289	0.004	0.253
AUG 22.80	AUG 21.80	1.227	4.958	0.242	0.922	0.028	0.270
AUG 23.80	AUG 22.80	0.271	3.619	0.180	0.757	< 0.011	0.186
AUG 24.80	AUG 23.80	0.117	2.801	0.077	0.582	< 0.010	0.083
AUG 25.80	AUG 24.80	U 6.954	U 3.520	U 0.140	U 0.767	U 0.037	*******
AUG 26.80	AUG 25.80	1.398	10.440	0.213	2.733	0.063	0.276
AUG 27.80	AUG 26.80	5.888	25.360	0.816	4.598	0.021	0.837
AUG 28.80	AUG 27.80	0.761	7.882	0.255	1.157	< 0.002	0.256
AUG 29.80	AUG 28.80	< 0.068	0.251	0.017	0.019	0.029	0.045
AUG 30.80	AUG 29.80	0.0	6.749	0.200	1.392	0.111	0.310
AUG 31.80	AUG 30.80	U 2.834	U 15.620	U 0.530	U 2.093	U 0.039	*******
SEP 1.80	AUG 31.80	*******	*******	*******	*******	*******	*******
SEP 2.80	SEP 1.80	*******	*******	*******	*******	*******	*******
SEP 3.80	SEP 2.80	1.026	2.768	0.191	0.572	0.010	0.200
SEP 4.80	SEP 3.80	2.343	3.963	0.028	0.483	< 0.012	0.033
SEP 5.80	SEP 4.80	8.358	10.900	0.770	2.252	0.116	0.885
SEP 6.80	SEP 5.80	0.191	1.296	0.100	0.324	0.050	0.150

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 3

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
SEP 7,80	SEP 6,80	700	700	1	26560.0	547	2	1	I	
SEP 8,80	SEP 7,80	700	700	1	26760.0	548	2	1		
SEP 9,80	SEP 8,80	700	700	1	6870.0	549	2	1	C	F
SEP 10,80	SEP 9,80	700	700	1	********	2234	2	1	KB	
SEP 11,80	SEP 10,80	700	700	1	26370.0	550	2	1		
SEP 12,80	SEP 11,80	700	700	1	26920.0	551	2	1		
SEP 13,80	SEP 12,80	700	700	1	28210.0	554	2	1		
SEP 14,80	SEP 13,80	700	700	1	25480.0	555	2	1		
SEP 15,80	SEP 14,80	700	700	1	27850.0	556	2	1		
SEP 16,80	SEP 15,80	700	700	1	6370.0	557	2	1	C	F
SEP 17,80	SEP 16,80	700	700	1	24390.0	558	2	1		
SEP 18,80	SEP 17,80	700	700	1	26390.0	559	2	1		
SEP 19,80	SEP 18,80	700	700	1	29280.0	560	2	1		
SEP 20,80	SEP 19,80	700	700	1	28240.0	562	2	1		
SEP 21,80	SEP 20,80	700	700	1	4400.0	563	2	1	C	F
SEP 22,80	SEP 21,80	700	700	1	********	2235	2	1	KB	
SEP 23,80	SEP 22,80	700	700	1	25030.0	564	2	1		
SEP 24,80	SEP 23,80	700	700	1	27390.0	565	2	1		
SEP 25,80	SEP 24,80	700	700	1	27570.0	566	2	1		
SEP 26,80	SEP 25,80	700	700	1	26970.0	567	2	1		
SEP 27,80	SEP 26,80	700	700	1	29680.0	570	2	1		
SEP 28,80	SEP 27,80	700	700	1	4860.0	571	2	1	C	F
SEP 29,80	SEP 28,80	700	700	1	********	2236	2	1	KB	
SEP 30,80	SEP 29,80	700	700	1	28640.0	572	2	1		
OCT 1,80	SEP 30,80	700	700	1	28070.0	573	2	1		
OCT 2,80	OCT 1,80	700	700	1	27500.0	574	2	1		
OCT 3,80	OCT 2,80	700	700	1	27780.0	577	2	1		
OCT 4,80	OCT 3,80	700	700	1	10450.0	578	2	1	C	
OCT 5,80	OCT 4,80	700	700	1	********	2237	2	1	KB	
OCT 6,80	OCT 5,80	700	700	1	********	2238	2	1	KB	
OCT 7,80	OCT 6,80	700	700	1	27000.0	579	2	1		
OCT 8,80	OCT 7,80	700	700	1	27760.0	580	2	1		
OCT 9,80	OCT 8,80	700	700	1	29370.0	581	2	1		
OCT 10,80	OCT 9,80	700	700	1	28390.0	582	2	1		
OCT 11,80	OCT 10,80	700	700	1	29260.0	584	2	1		
OCT 12,80	OCT 11,80	700	700	1	28070.0	585	2	1		
OCT 13,80	OCT 12,80	700	700	1	31040.0	586	2	1		
OCT 14,80	OCT 13,80	700	700	1	32270.0	587	2	1	J	
OCT 15,80	OCT 14,80	700	700	1	30670.0	588	2	1	J	
OCT 16,80	OCT 15,80	700	700	1	31120.0	589	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
SEP 7,80	SEP 6,80	5.782	1.859	0.042	0.424	0.019	0.061
SEP 8,80	SEP 7,80	11.230	3.250	0.041	0.0	0.028	0.069
SEP 9,80	SEP 8,80	U 9.195	U 1.916	U 0.088	U 0.433	U 0.078	*******
SEP 10,80	SEP 9,80	*******	*******	*******	*******	*******	*******
SEP 11,80	SEP 10,80	1.004	0.738	0.042	0.174	0.030	0.073
SEP 12,80	SEP 11,80	0.367	0.808	0.087	0.143	0.049	0.136
SEP 13,80	SEP 12,80	2.659	0.250	0.0	0.038	0.023	0.023
SEP 14,80	SEP 13,80	1.172	2.799	0.300	0.495	0.075	0.375
SEP 15,80	SEP 14,80	< 0.069	0.500	0.024	0.052	0.023	0.047
SEP 16,80	SEP 15,80	U 0.300	U 0.031	U 0.028	U 0.081	U 0.062	*******
SEP 17,80	SEP 16,80	10.110	9.468	0.444	1.505	< 0.009	0.449
SEP 18,80	SEP 17,80	1.257	2.419	0.064	0.269	0.040	0.104
SEP 19,80	SEP 18,80	5.791	1.333	0.305	0.246	0.082	0.387
SEP 20,80	SEP 19,80	10.250	3.584	0.252	0.601	0.062	0.314
SEP 21,80	SEP 20,80	U 41.140	U 12.950	U 2.021	U 3.427	U 0.544	*******
SEP 22,80	SEP 21,80	*******	*******	*******	*******	*******	*******
SEP 23,80	SEP 22,80	3.600	1.429	0.086	0.233	0.036	0.122
SEP 24,80	SEP 23,80	0.240	0.211	0.013	0.046	0.014	0.028
SEP 25,80	SEP 24,80	*******	0.481	0.0	0.169	0.041	0.041
SEP 26,80	SEP 25,80	1.609	2.442	0.255	0.678	0.107	0.361
SEP 27,80	SEP 26,80	3.422	0.972	0.0	0.084	0.008	0.008
SEP 28,80	SEP 27,80	U 16.870	U 1.939	U 0.096	U 0.253	U 0.029	*******
SEP 29,80	SEP 28,80	*******	*******	*******	*******	*******	*******
SEP 30,80	SEP 29,80	8.784	4.311	0.577	1.050	0.301	0.878
OCT 1,80	SEP 30,80	10.280	11.990	0.784	2.721	0.352	1.137
OCT 2,80	OCT 1,80	6.966	7.944	0.790	1.912	0.342	1.131
OCT 3,80	OCT 2,80	0.586	0.209	0.004	0.063	< 0.006	0.007
OCT 4,80	OCT 3,80	5.230	0.017	0.133	0.078	< 0.027	0.147
OCT 5,80	OCT 4,80	*******	*******	*******	*******	*******	*******
OCT 6,80	OCT 5,80	*******	*******	*******	*******	*******	*******
OCT 7,80	OCT 6,80	3.724	3.249	0.598	0.849	0.067	0.664
OCT 8,80	OCT 7,80	4.811	4.680	0.942	1.384	0.245	1.187
OCT 9,80	OCT 8,80	7.544	2.003	0.311	0.502	0.113	0.424
OCT 10,80	OCT 9,80	0.256	0.312	0.032	0.080	< 0.010	0.037
OCT 11,80	OCT 10,80	4.358	1.541	0.176	0.394	0.113	0.289
OCT 12,80	OCT 11,80	8.010	2.452	0.450	0.581	0.063	0.513
OCT 13,80	OCT 12,80	2.196	0.365	0.021	0.052	< 0.009	0.026
OCT 14,80	OCT 13,80	9.571	*******	0.020	0.060	*******	*******
OCT 15,80	OCT 14,80	1.143	0.415	0.030	0.075	< 0.009	0.034
OCT 16,80	OCT 15,80	0.795	0.486	0.028	0.137	< 0.009	0.032

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 5

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
OCT 17,80	OCT 16,80	700	700	1	29690.0	590	2	1		
OCT 18,80	OCT 17,80	700	700	1	27670.0	594	2	1		
OCT 19,80	OCT 18,80	700	700	1	28890.0	595	2	1		
OCT 20,80	OCT 19,80	700	700	1	29360.0	596	2	1		
OCT 21,80	OCT 20,80	700	700	1	29190.0	597	2	1		
OCT 22,80	OCT 21,80	700	700	1	********	2239	2	1	K	
OCT 23,80	OCT 22,80	700	700	1	24840.0	599	2	1		
OCT 24,80	OCT 23,80	700	700	1	27060.0	600	2	1	J	
OCT 25,80	OCT 24,80	700	700	1	25800.0	601	2	1		
OCT 26,80	OCT 25,80	700	700	1	25730.0	602	2	1		
OCT 27,80	OCT 26,80	700	700	1	26360.0	603	2	1		
OCT 28,80	OCT 27,80	700	700	1	26570.0	604	2	1		
OCT 29,80	OCT 28,80	700	700	1	27100.0	605	2	1		
OCT 30,80	OCT 29,80	700	700	1	24720.0	607	2	1		
OCT 31,80	OCT 30,80	700	700	1	26860.0	608	2	1		
NOV 1,80	OCT 31,80	700	700	1	26500.0	609	2	1		
NOV 2,80	NOV 1,80	700	700	1	27200.0	610	2	1		
NOV 3,80	NOV 2,80	700	700	1	27060.0	611	2	1		
NOV 4,80	NOV 3,80	700	700	1	26260.0	612	2	1		
NOV 5,80	NOV 4,80	700	700	1	26300.0	613	2	1		
NOV 6,80	NOV 5,80	700	700	1	27350.0	615	2	1		
NOV 7,80	NOV 6,80	700	700	1	26240.0	616	2	1		
NOV 8,80	NOV 7,80	700	700	1	26260.0	617	2	1		
NOV 9,80	NOV 8,80	700	700	1	27220.0	618	2	1		
NOV 10,80	NOV 9,80	700	700	1	26780.0	619	2	1		
NOV 11,80	NOV 10,80	700	700	1	27710.0	620	2	1		
NOV 12,80	NOV 11,80	700	700	1	27760.0	621	2	1		
NOV 13,80	NOV 12,80	700	700	1	27200.0	623	2	1		
NOV 14,80	NOV 13,80	700	700	1	26660.0	624	2	1		
NOV 15,80	NOV 14,80	700	700	1	27160.0	625	2	1		
NOV 16,80	NOV 15,80	700	700	1	27380.0	626	2	1		
NOV 17,80	NOV 16,80	700	700	1	26480.0	627	2	1		
NOV 18,80	NOV 17,80	700	700	1	27590.0	628	2	1		
NOV 19,80	NOV 18,80	700	700	1	26740.0	629	2	1		
NOV 20,80	NOV 19,80	700	700	1	27010.0	631	2	1		
NOV 21,80	NOV 20,80	700	700	1	26460.0	632	2	1		
NOV 22,80	NOV 21,80	700	700	1	26070.0	633	2	1		
NOV 23,80	NOV 22,80	700	700	1	26870.0	634	2	1		
NOV 24,80	NOV 23,80	700	700	1	26080.0	635	2	1		
NOV 25,80	NOV 24,80	700	700	1	25970.0	636	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
OCT 17,80	OCT 16,80	5.216	0.594	0.628	1.156	0.128	0.756
OCT 18,80	OCT 17,80	8.726	7.469	0.800	1.986	0.178	0.978
OCT 19,80	OCT 18,80	0.0	2.382	0.108	0.545	0.006	0.114
OCT 20,80	OCT 19,80	1.220	0.815	0.022	0.056	0.0	0.022
OCT 21,80	OCT 20,80	3.293	0.984	0.022	0.061	0.0	0.022
OCT 22,80	OCT 21,80	*******	*******	*******	*******	*******	*******
OCT 23,80	OCT 22,80	*******	0.213	0.0	0.001	0.0	0.0
OCT 24,80	OCT 23,80	*******	0.241	0.025	0.066	0.010	0.035
OCT 25,80	OCT 24,80	*******	1.367	0.373	0.345	0.127	0.501
OCT 26,80	OCT 25,80	*******	0.496	0.045	0.088	0.012	0.057
OCT 27,80	OCT 26,80	*******	0.579	0.035	0.028	< 0.010	0.040
OCT 28,80	OCT 27,80	*******	1.658	0.073	0.148	< 0.011	0.078
OCT 29,80	OCT 28,80	*******	0.891	0.054	0.079	0.011	0.064
OCT 30,80	OCT 29,80	*******	0.380	0.082	0.071	0.0	0.082
OCT 31,80	OCT 30,80	*******	2.252	0.327	0.689	0.356	0.683
NOV 1,80	OCT 31,80	*******	0.867	0.255	0.184	0.079	0.334
NOV 2,80	NOV 1,80	*******	0.253	0.019	0.044	0.002	0.022
NOV 3,80	NOV 2,80	*******	1.363	0.066	0.187	0.011	0.077
NOV 4,80	NOV 3,80	*******	4.523	0.742	1.265	0.194	0.936
NOV 5,80	NOV 4,80	*******	2.638	0.456	0.727	0.070	0.525
NOV 6,80	NOV 5,80	*******	0.833	0.0	0.073	0.0	0.0
NOV 7,80	NOV 6,80	*******	2.200	0.751	0.953	0.499	1.250
NOV 8,80	NOV 7,80	*******	2.480	0.675	0.637	0.134	0.809
NOV 9,80	NOV 8,80	*******	0.879	0.099	0.150	0.019	0.119
NOV 10,80	NOV 9,80	*******	2.111	0.232	0.378	0.010	0.242
NOV 11,80	NOV 10,80	*******	0.322	0.007	0.016	0.010	0.017
NOV 12,80	NOV 11,80	*******	0.031	0.007	0.0	< 0.010	0.012
NOV 13,80	NOV 12,80	*******	1.748	0.058	0.121	0.121	0.179
NOV 14,80	NOV 13,80	*******	2.997	0.359	1.193	0.487	0.846
NOV 15,80	NOV 14,80	*******	0.873	0.049	0.023	< 0.011	0.054
NOV 16,80	NOV 15,80	*******	0.636	0.049	0.104	< 0.010	0.054
NOV 17,80	NOV 16,80	*******	0.047	0.059	0.056	< 0.011	0.065
NOV 18,80	NOV 17,80	*******	0.678	0.111	0.198	0.019	0.131
NOV 19,80	NOV 18,80	*******	0.980	0.068	0.134	< 0.010	0.073
NOV 20,80	NOV 19,80	*******	2.135	0.075	0.310	0.446	0.520
NOV 21,80	NOV 20,80	*******	4.721	0.529	3.459	1.931	2.460
NOV 22,80	NOV 21,80	*******	5.022	0.633	1.677	0.279	0.912
NOV 23,80	NOV 22,80	*******	1.449	0.204	0.845	0.632	0.836
NOV 24,80	NOV 23,80	*******	1.707	0.174	1.918	0.854	1.028
NOV 25,80	NOV 24,80	*******	2.219	0.404	0.597	0.184	0.588

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
NOV 26,80	NOV 25,80	700	700	1	27140.0	637	2	1		
NOV 27,80	NOV 26,80	700	700	1	27310.0	641	2	1		
NOV 28,80	NOV 27,80	700	700	1	27880.0	642	2	1		
NOV 29,80	NOV 28,80	700	700	1	26870.0	643	2	1		
NOV 30,80	NOV 29,80	700	700	1	27450.0	644	2	1		
DEC 1,80	NOV 30,80	700	700	1	26760.0	645	2	1		
DEC 2,80	DEC 1,80	700	700	1	26500.0	646	2	1		
DEC 3,80	DEC 2,80	700	700	1	28380.0	647	2	1		
DEC 4,80	DEC 3,80	700	700	1	28810.0	649	2	1	CI	
DEC 5,80	DEC 4,80	700	700	1	29210.0	650	2	1	I	
DEC 6,80	DEC 5,80	700	700	1	28300.0	651	2	1	I	
DEC 7,80	DEC 6,80	700	700	1	27540.0	652	2	1	I	
DEC 8,80	DEC 7,80	700	700	1	26900.0	653	2	1	I	
DEC 9,80	DEC 8,80	700	700	1	27130.0	654	2	1	I	
DEC 10,80	DEC 9,80	700	700	1	27620.0	655	2	1	I	
DEC 11,80	DEC 10,80	700	700	1	28250.0	657	2	1	I	
DEC 12,80	DEC 11,80	700	700	1	29170.0	658	2	1	I	
DEC 13,80	DEC 12,80	700	700	1	28050.0	659	2	1	I	
DEC 14,80	DEC 13,80	700	700	1	34480.0	660	2	1	EI	
DEC 15,80	DEC 14,80	700	700	1	35000.0	661	2	1	EI	
DEC 16,80	DEC 15,80	700	700	1	28350.0	662	2	1	EI	
DEC 17,80	DEC 16,80	700	700	1	35090.0	663	2	1	EI	
DEC 18,80	DEC 17,80	700	700	1	28770.0	665	2	1	I	
DEC 19,80	DEC 18,80	700	700	1	28880.0	666	2	1	I	
DEC 20,80	DEC 19,80	700	700	1	30480.0	667	2	1	I	
DEC 21,80	DEC 20,80	700	700	1	30400.0	668	2	1	I	
DEC 22,80	DEC 21,80	700	700	1	29370.0	669	2	1	I	
DEC 23,80	DEC 22,80	700	700	1	27990.0	670	2	1	I	
DEC 24,80	DEC 23,80	700	700	1	27500.0	674	2	1		
DEC 25,80	DEC 24,80	700	700	1	31330.0	675	2	1		
DEC 26,80	DEC 25,80	700	700	1	30170.0	676	2	1		
DEC 27,80	DEC 26,80	700	700	1	19660.0	677	2	1		
DEC 28,80	DEC 27,80	700	700	1	21480.0	678	2	1		
DEC 29,80	DEC 28,80	700	700	1	27710.0	679	2	1		
DEC 30,80	DEC 29,80	700	700	1	28090.0	680	2	1		
DEC 31,80	DEC 30,80	700	700	1	19590.0	682	2	1	E	
JAN 1,81	DEC 31,80	700	700	1	29980.0	683	2	1		
JAN 2,81	JAN 1,81	700	700	1	28580.0	684	2	1		
JAN 3,81	JAN 2,81	700	700	1	31260.0	685	2	1		
JAN 4,81	JAN 3,81	700	700	1	31560.0	686	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 8

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
NOV 26,80	NOV 25,80	*******	1.162	0.220	0.076	0.019	0.240
NOV 27,80	NOV 26,80	*******	1.176	0.074	0.280	0.0	0.074
NOV 28,80	NOV 27,80	*******	1.681	0.180	0.299	0.010	0.190
NOV 29,80	NOV 28,80	*******	2.541	0.540	0.525	< 0.010	0.545
NOV 30,80	NOV 29,80	*******	1.070	0.101	0.090	< 0.010	0.106
DEC 1,80	NOV 30,80	*******	1.990	0.291	0.882	0.541	0.832
DEC 2,80	DEC 1,80	*******	2.338	0.274	0.548	0.010	0.284
DEC 3,80	DEC 2,80	*******	0.735	0.047	0.097	0.016	0.062
DEC 4,80	DEC 3,80	*******	0.500	0.0	0.063	0.018	0.018
DEC 5,80	DEC 4,80	*******	0.692	0.022	0.069	0.018	0.039
DEC 6,80	DEC 5,80	*******	0.711	0.032	0.102	0.010	0.042
DEC 7,80	DEC 6,80	*******	0.822	0.060	0.120	0.010	0.070
DEC 8,80	DEC 7,80	*******	3.629	0.403	0.427	0.0	0.403
DEC 9,80	DEC 8,80	*******	1.991	0.059	0.156	0.010	0.070
DEC 10,80	DEC 9,80	*******	1.540	0.060	0.214	0.019	0.080
DEC 11,80	DEC 10,80	*******	1.068	0.048	0.170	< 0.002	0.049
DEC 12,80	DEC 11,80	*******	0.735	0.071	*******	0.027	0.098
DEC 13,80	DEC 12,80	*******	1.741	0.262	0.467	0.028	0.290
DEC 14,80	DEC 13,80	*******	0.009	0.010	*******	< 0.007	0.014
DEC 15,80	DEC 14,80	*******	0.0	0.004	*******	< 0.007	0.008
DEC 16,80	DEC 15,80	*******	1.553	0.251	0.327	0.150	0.401
DEC 17,80	DEC 16,80	*******	< 0.009	0.010	*******	< 0.008	0.014
DEC 18,80	DEC 17,80	*******	3.089	0.266	0.391	0.124	0.390
DEC 19,80	DEC 18,80	*******	1.604	0.084	0.119	0.011	0.094
DEC 20,80	DEC 19,80	*******	1.195	0.012	0.087	0.133	0.145
DEC 21,80	DEC 20,80	*******	1.774	0.063	0.230	0.117	0.180
DEC 22,80	DEC 21,80	*******	2.003	0.091	0.245	< 0.008	0.095
DEC 23,80	DEC 22,80	*******	3.570	0.712	0.759	0.117	0.829
DEC 24,80	DEC 23,80	*******	7.225	0.893	1.993	0.547	1.440
DEC 25,80	DEC 24,80	*******	1.326	0.097	*******	0.034	0.131
DEC 26,80	DEC 25,80	*******	2.076	0.201	0.341	0.142	0.343
DEC 27,80	DEC 26,80	*******	4.396	0.716	0.971	0.066	0.782
DEC 28,80	DEC 27,80	*******	4.140	0.678	0.698	< 0.013	0.685
DEC 29,80	DEC 28,80	*******	6.638	1.295	1.541	0.624	1.919
DEC 30,80	DEC 29,80	*******	5.266	0.615	0.958	< 0.011	0.620
DEC 31,80	DEC 30,80	*******	1.190	0.095	*******	0.232	0.326
JAN 1,81	DEC 31,80	*******	1.063	0.054	0.764	0.126	0.180
JAN 2,81	JAN 1,81	*******	0.940	0.082	*******	0.029	0.111
JAN 3,81	JAN 2,81	*******	1.864	0.044	*******	0.025	0.069
JAN 4,81	JAN 3,81	*******	1.843	0.044	*******	0.025	0.069

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JAN 5.81	JAN 4.81	700	700	1	31100.0	687	2	1		
JAN 6.81	JAN 5.81	700	700	1	29200.0	688	2	1		
JAN 7.81	JAN 6.81	700	700	1	28470.0	691	2	1		
JAN 8.81	JAN 7.81	700	700	1	30830.0	692	2	1		
JAN 9.81	JAN 8.81	700	700	1	29870.0	693	2	1		
JAN 10.81	JAN 9.81	700	700	1	29490.0	694	2	1		
JAN 11.81	JAN 10.81	700	700	1	31310.0	695	2	1		
JAN 12.81	JAN 11.81	700	700	1	31690.0	696	2	1		
JAN 13.81	JAN 12.81	700	700	1	30300.0	697	2	1		
JAN 14.81	JAN 13.81	700	700	1	29050.0	698	2	1		
JAN 15.81	JAN 14.81	700	700	1	********	2253	2	1	K	
JAN 16.81	JAN 15.81	700	700	1	23180.0	700	2	1		
JAN 17.81	JAN 16.81	700	700	1	25500.0	701	2	1		
JAN 18.81	JAN 17.81	700	700	1	25060.0	702	2	1		
JAN 19.81	JAN 18.81	700	700	1	24720.0	703	2	1		
JAN 20.81	JAN 19.81	700	700	1	29810.0	704	2	1		
JAN 21.81	JAN 20.81	700	700	1	30690.0	705	2	1		
JAN 22.81	JAN 21.81	700	700	1	29930.0	706	2	1		
JAN 23.81	JAN 22.81	700	700	1	28720.0	709	2	1		
JAN 24.81	JAN 23.81	700	700	1	29330.0	710	2	1		
JAN 25.81	JAN 24.81	700	700	1	29150.0	711	2	1		
JAN 26.81	JAN 25.81	700	700	1	28830.0	712	2	1		
JAN 27.81	JAN 26.81	700	700	1	30570.0	713	2	1		
JAN 28.81	JAN 27.81	700	700	1	32540.0	714	2	1		
JAN 29.81	JAN 28.81	700	700	1	32440.0	715	2	1		
JAN 30.81	JAN 29.81	700	700	1	32830.0	716	2	1		
JAN 31.81	JAN 30.81	700	700	1	23220.0	2254	2	1		
FEB 1.81	JAN 31.81	700	700	1	26360.0	2255	2	1		
FEB 2.81	FEB 1.81	700	700	1	24790.0	2256	2	1		
FEB 3.81	FEB 2.81	700	700	1	28780.0	2258	2	1		
FEB 4.81	FEB 3.81	700	700	1	26970.0	2259	2	1		
FEB 5.81	FEB 4.81	700	700	1	26880.0	2260	2	1		
FEB 6.81	FEB 5.81	700	700	1	28160.0	2261	2	1		
FEB 7.81	FEB 6.81	700	700	1	26630.0	2262	2	1		
FEB 8.81	FEB 7.81	700	700	1	26090.0	2263	2	1		
FEB 9.81	FEB 8.81	700	700	1	27650.0	2264	2	1		
FEB 10.81	FEB 9.81	700	700	1	28040.0	2266	2	1		
FEB 11.81	FEB 10.81	700	700	1	23500.0	2267	2	1		
FEB 12.81	FEB 11.81	700	700	1	26720.0	2268	2	1		
FEB 13.81	FEB 12.81	700	700	1	29800.0	2269	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 10

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JAN 5,81	JAN 4,81	*******	1.462	0.019	*******	0.050	0.069
JAN 6,81	JAN 5,81	*******	2.423	0.382	*******	0.130	0.512
JAN 7,81	JAN 6,81	*******	5.193	0.877	*******	0.160	1.037
JAN 8,81	JAN 7,81	*******	1.244	0.054	0.129	0.065	0.119
JAN 9,81	JAN 8,81	*******	1.703	0.149	0.268	0.042	0.191
JAN 10,81	JAN 9,81	*******	2.101	0.676	0.467	0.061	0.736
JAN 11,81	JAN 10,81	*******	1.503	0.093	0.237	0.025	0.117
JAN 12,81	JAN 11,81	*******	1.763	0.077	0.261	0.009	0.086
JAN 13,81	JAN 12,81	*******	2.372	0.138	0.326	0.043	0.181
JAN 14,81	JAN 13,81	*******	5.834	0.744	0.863	0.017	0.762
JAN 15,81	JAN 14,81	*******	*******	*******	*******	*******	*******
JAN 16,81	JAN 15,81	*******	6.017	0.826	0.645	< 0.013	0.832
JAN 17,81	JAN 16,81	*******	5.234	0.476	0.438	< 0.012	0.482
JAN 18,81	JAN 17,81	*******	2.920	0.344	0.397	0.012	0.355
JAN 19,81	JAN 18,81	*******	3.219	0.463	0.544	0.012	0.474
JAN 20,81	JAN 19,81	*******	1.572	0.171	0.172	< 0.009	0.175
JAN 21,81	JAN 20,81	*******	1.123	0.134	0.151	0.025	0.159
JAN 22,81	JAN 21,81	*******	0.393	0.666	1.442	5.038	5.704
JAN 23,81	JAN 22,81	*******	1.791	0.165	0.291	< 0.002	0.166
JAN 24,81	JAN 23,81	*******	0.752	0.155	0.115	< 0.011	0.160
JAN 25,81	JAN 24,81	*******	0.493	0.104	0.114	< 0.011	0.109
JAN 26,81	JAN 25,81	*******	8.237	2.013	2.249	0.130	2.143
JAN 27,81	JAN 26,81	*******	3.133	0.573	1.028	0.271	0.844
JAN 28,81	JAN 27,81	*******	1.634	0.140	0.215	0.009	0.149
JAN 29,81	JAN 28,81	*******	3.220	0.101	0.225	0.016	0.117
JAN 30,81	JAN 29,81	*******	2.116	0.695	0.199	0.061	0.756
JAN 31,81	JAN 30,81	*******	1.823	0.0	0.243	0.011	0.011
FEB 1,81	JAN 31,81	*******	2.760	0.0	0.475	0.068	0.068
FEB 2,81	FEB 1,81	*******	2.733	0.438	0.756	0.032	0.471
FEB 3,81	FEB 2,81	*******	3.385	0.665	0.652	0.002	0.667
FEB 4,81	FEB 3,81	9.429	2.611	0.450	0.488	0.019	0.469
FEB 5,81	FEB 4,81	23.670	2.211	0.339	0.299	0.010	0.350
FEB 6,81	FEB 5,81	13.900	3.360	1.070	0.755	0.072	1.142
FEB 7,81	FEB 6,81	30.800	4.166	1.188	0.956	0.030	1.218
FEB 8,81	FEB 7,81	10.900	3.757	0.741	0.891	0.030	0.772
FEB 9,81	FEB 8,81	9.342	2.511	0.663	0.606	0.056	0.719
FEB 10,81	FEB 9,81	13.870	2.129	0.821	0.766	0.138	0.959
FEB 11,81	FEB 10,81	14.830	2.607	0.712	0.729	0.174	0.885
FEB 12,81	FEB 11,81	4.177	1.671	0.226	0.179	0.0	0.226
FEB 13,81	FEB 12,81	6.329	3.029	0.514	0.568	0.105	0.619

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
FEB 14,81	FEB 13,81	700	700	1	29490.0	2270	2	1		
FEB 15,81	FEB 14,81	700	700	1	28120.0	2271	2	1		
FEB 16,81	FEB 15,81	700	700	1	28360.0	2272	2	1		
FEB 17,81	FEB 16,81	700	700	1	27190.0	2274	2	1		
FEB 18,81	FEB 17,81	700	700	1	26860.0	2275	2	1		
FEB 19,81	FEB 18,81	700	700	1	25300.0	2276	2	1		
FEB 20,81	FEB 19,81	700	700	1	25910.0	2277	2	1	J	
FEB 21,81	FEB 20,81	700	700	1	27250.0	2278	2	1		
FEB 22,81	FEB 21,81	700	700	1	27280.0	2279	2	1		
FEB 23,81	FEB 22,81	700	700	1	28290.0	2280	2	1		
FEB 24,81	FEB 23,81	700	700	1	26750.0	2281	2	1		
FEB 25,81	FEB 24,81	700	700	1	25560.0	2283	2	1		
FEB 26,81	FEB 25,81	700	700	1	30050.0	2284	2	1		
FEB 27,81	FEB 26,81	700	700	1	30350.0	2285	2	1		
FEB 28,81	FEB 27,81	700	700	1	30650.0	2286	2	1		
MAR 1,81	FEB 28,81	700	700	1	28250.0	2287	2	1		
MAR 2,81	MAR 1,81	700	700	1	30950.0	2288	2	1		
MAR 3,81	MAR 2,81	700	700	1	32040.0	2289	2	1		
MAR 4,81	MAR 3,81	700	700	1	31660.0	2291	2	1		
MAR 5,81	MAR 4,81	700	700	1	28510.0	2292	2	1		
MAR 6,81	MAR 5,81	700	700	1	30480.0	2293	2	1		
MAR 7,81	MAR 6,81	700	700	1	30970.0	2294	2	1		
MAR 8,81	MAR 7,81	700	700	1	30600.0	2295	2	1		
MAR 9,81	MAR 8,81	700	700	1	29210.0	2296	2	1		
MAR 10,81	MAR 9,81	700	700	1	30130.0	2297	2	1		
MAR 11,81	MAR 10,81	700	700	1	26610.0	2299	2	1		
MAR 12,81	MAR 11,81	700	700	1	29980.0	2300	2	1		
MAR 13,81	MAR 12,81	700	700	1	28000.0	2301	2	1		
MAR 14,81	MAR 13,81	700	700	1	31400.0	2302	2	1		
MAR 15,81	MAR 14,81	700	700	1	31010.0	2303	2	1		
MAR 16,81	MAR 15,81	700	700	1	30300.0	2304	2	1		
MAR 17,81	MAR 16,81	700	700	1	31670.0	2305	2	1		
MAR 18,81	MAR 17,81	700	700	1	30420.0	2307	2	1	I	
MAR 19,81	MAR 18,81	700	700	1	29180.0	2308	2	1	I	
MAR 20,81	MAR 19,81	700	700	1	22310.0	2309	2	1	I	
MAR 21,81	MAR 20,81	700	700	1	28250.0	2310	2	1	I	
MAR 22,81	MAR 21,81	700	700	1	26750.0	2311	2	1	I	
MAR 23,81	MAR 22,81	700	700	1	27980.0	2312	2	1	I	
MAR 24,81	MAR 23,81	700	700	1	26070.0	2313	2	1	I	
MAR 25,81	MAR 24,81	700	700	1	28020.0	2407	2	1	J	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 12

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
FEB 14.81	FEB 13.81	52.170	5.963	1.951	1.229	0.147	2.098
FEB 15.81	FEB 14.81	39.780	8.957	2.313	1.694	0.003	2.316
FEB 16.81	FEB 15.81	84.220	9.410	2.469	2.240	0.577	3.046
FEB 17.81	FEB 16.81	22.150	8.546	1.931	2.306	0.315	2.246
FEB 18.81	FEB 17.81	8.398	3.602	0.670	1.134	0.094	0.764
FEB 19.81	FEB 18.81	14.840	4.382	1.099	1.073	< 0.012	1.105
FEB 20.81	FEB 19.81	1.875	6.440	0.818	1.716	0.012	0.830
FEB 21.81	FEB 20.81	2.146	1.481	0.137	0.334	0.019	0.156
FEB 22.81	FEB 21.81	< 0.067	1.340	0.083	0.280	0.028	0.112
FEB 23.81	FEB 22.81	0.890	1.784	0.185	0.296	0.205	0.390
FEB 24.81	FEB 23.81	6.302	1.561	0.437	0.311	0.030	0.468
FEB 25.81	FEB 24.81	7.195	2.990	0.537	0.721	0.079	0.615
FEB 26.81	FEB 25.81	7.606	2.963	0.396	0.398	< 0.009	0.401
FEB 27.81	FEB 26.81	17.220	1.734	0.056	0.136	0.009	0.064
FEB 28.81	FEB 27.81	8.012	2.334	0.212	0.276	0.108	0.320
MAR 1.81	FEB 28.81	14.600	2.263	0.415	0.291	0.310	0.425
MAR 2.81	MAR 1.81	2.755	2.224	0.145	0.322	< 0.009	0.150
MAR 3.81	MAR 2.81	1.207	0.787	0.038	0.082	0.009	0.047
MAR 4.81	MAR 3.81	1.061	0.877	0.032	0.107	0.001	0.033
MAR 5.81	MAR 4.81	11.310	3.470	0.714	0.811	< 0.011	0.719
MAR 6.81	MAR 5.81	5.202	3.541	0.579	0.618	< 0.009	0.583
MAR 7.81	MAR 6.81	9.447	1.254	0.230	0.111	0.009	0.239
MAR 8.81	MAR 7.81	9.986	1.766	0.070	0.111	0.009	0.078
MAR 9.81	MAR 8.81	15.360	1.805	0.091	0.158	0.018	0.108
MAR 10.81	MAR 9.81	10.140	1.544	0.087	0.142	0.009	0.096
MAR 11.81	MAR 10.81	0.883	1.134	0.081	0.151	0.0	0.081
MAR 12.81	MAR 11.81	5.523	0.635	0.071	0.073	< 0.009	0.076
MAR 13.81	MAR 12.81	3.288	2.590	0.183	1.153	0.610	0.793
MAR 14.81	MAR 13.81	1.225	1.437	0.037	0.136	0.009	0.046
MAR 15.81	MAR 14.81	2.643	1.494	0.190	0.331	0.059	0.249
MAR 16.81	MAR 15.81	8.435	2.024	0.368	0.626	0.257	0.625
MAR 17.81	MAR 16.81	4.470	1.558	0.091	0.261	0.388	0.479
MAR 18.81	MAR 17.81	3.368	1.618	0.030	0.171	0.0	0.030
MAR 19.81	MAR 18.81	4.254	2.065	0.056	0.108	0.011	0.067
MAR 20.81	MAR 19.81	25.420	2.486	0.087	0.139	0.013	0.100
MAR 21.81	MAR 20.81	1.789	2.933	0.140	0.520	0.010	0.150
MAR 22.81	MAR 21.81	1.014	2.630	0.109	0.318	0.019	0.128
MAR 23.81	MAR 22.81	0.966	2.822	0.131	0.396	0.028	0.159
MAR 24.81	MAR 23.81	10.750	5.403	0.150	0.357	< 0.011	0.155
MAR 25.81	MAR 24.81	4.627	3.403	0.035	0.512	0.002	0.037

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 13

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAR 26,81	MAR 25,81	700	700	1	28100.0	2408	2	1	J	
MAR 27,81	MAR 26,81	700	700	1	27420.0	2409	2	1	J	
MAR 28,81	MAR 27,81	700	700	1	30900.0	2410	2	1	J	
MAR 29,81	MAR 28,81	700	700	1	30820.0	2411	2	1		
MAR 30,81	MAR 29,81	700	700	1	28200.0	2412	2	1		
MAR 31,81	MAR 30,81	700	700	1	26310.0	2413	2	1		
APR 1,81	MAR 31,81	700	700	1	27490.0	2415	2	1	I	
APR 2,81	APR 1,81	700	700	1	29180.0	2416	2	1	I	
APR 3,81	APR 2,81	700	700	1	29890.0	2417	2	1	I	
APR 4,81	APR 3,81	700	700	1	28650.0	2418	2	1	I	
APR 5,81	APR 4,81	700	700	1	29640.0	2419	2	1	I	
APR 6,81	APR 5,81	700	700	1	31210.0	2420	2	1		
APR 8,81	APR 6,81	700	700	1	56280.0	951	2	1		Z
APR 9,81	APR 8,81	700	700	1	26760.0	953	2	1		
APR 10,81	APR 9,81	700	700	1	28240.0	954	2	1	J	
APR 11,81	APR 10,81	700	700	1	28020.0	955	2	1		
APR 12,81	APR 11,81	700	700	1	28670.0	956	2	1		
APR 13,81	APR 12,81	700	700	1	30230.0	957	2	1		
APR 14,81	APR 13,81	700	700	1	29600.0	958	2	1		
APR 15,81	APR 14,81	700	700	1	25340.0	959	2	1	C	
APR 16,81	APR 15,81	700	700	1	29730.0	960	2	1		
APR 17,81	APR 16,81	700	700	1	28320.0	961	2	1		
APR 18,81	APR 17,81	700	700	1	24910.0	962	2	1		
APR 19,81	APR 18,81	700	700	1	28930.0	963	2	1		
APR 20,81	APR 19,81	700	700	1	28500.0	964	2	1		
APR 21,81	APR 20,81	700	700	1	30700.0	965	2	1		
APR 22,81	APR 21,81	700	700	1	30170.0	2422	2	1		
APR 23,81	APR 22,81	700	700	1	28800.0	2423	2	1		
APR 24,81	APR 23,81	700	700	1	24700.0	2424	2	1		
APR 25,81	APR 24,81	700	700	1	26850.0	2425	2	1		
APR 26,81	APR 25,81	700	700	1	27350.0	2426	2	1		
APR 27,81	APR 26,81	700	700	1	29170.0	2427	2	1		
APR 28,81	APR 27,81	700	700	1	28820.0	2428	2	1		
APR 29,81	APR 28,81	700	700	1	27720.0	2429	2	1		
APR 30,81	APR 29,81	700	700	1	27160.0	25001	2	1		
MAY 1,81	APR 30,81	700	700	1	29670.0	25002	2	1		
MAY 3,81	MAY 1,81	700	700	1	58960.0	25003	2	1	A	Z
MAY 4,81	MAY 3,81	700	700	1	30230.0	25004	2	1		
MAY 5,81	MAY 4,81	700	700	1	29870.0	25005	2	1		
MAY 6,81	MAY 5,81	700	700	1	28860.0	25006	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 14

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAR 26,81	MAR 25,81	2.730	1.664	0.053	0.007	0.011	0.064
MAR 27,81	MAR 26,81	8.279	4.152	0.357	1.133	0.055	0.413
MAR 28,81	MAR 27,81	12.200	0.211	0.098	0.465	0.009	0.107
MAR 29,81	MAR 28,81	14.110	5.414	0.772	1.541	0.181	0.953
MAR 30,81	MAR 29,81	6.844	11.270	0.862	3.159	0.400	1.262
MAR 31,81	MAR 30,81	6.081	3.947	0.331	1.010	0.010	0.341
APR 1,81	MAR 31,81	6.745	4.815	0.221	0.694	0.061	0.282
APR 2,81	APR 1,81	4.607	2.065	0.259	0.573	0.084	0.343
APR 3,81	APR 2,81	7.308	1.558	0.394	0.395	0.082	0.476
APR 4,81	APR 3,81	10.420	4.463	0.907	1.226	0.462	1.369
APR 5,81	APR 4,81	3.321	3.470	0.374	0.898	0.318	0.692
APR 6,81	APR 5,81	2.929	1.770	0.041	0.238	0.023	0.064
APR 8,81	APR 6,81	5.333	2.201	0.430	0.565	0.012	0.442
APR 9,81	APR 8,81	9.871	6.758	0.651	1.996	0.683	1.334
APR 10,81	APR 9,81	2.618	1.603	0.007	0.339	0.127	0.134
APR 11,81	APR 10,81	8.463	3.671	0.729	0.993	0.698	1.428
APR 12,81	APR 11,81	5.481	3.448	0.545	0.820	0.107	0.652
APR 13,81	APR 12,81	0.455	0.508	0.055	0.028	0.002	0.057
APR 14,81	APR 13,81	5.174	3.610	0.683	1.085	0.103	0.786
APR 15,81	APR 14,81	6.583	1.210	0.078	0.260	0.274	0.351
APR 16,81	APR 15,81	1.693	0.402	0.217	0.390	0.346	0.563
APR 17,81	APR 16,81	7.455	3.512	1.254	1.080	0.434	1.688
APR 18,81	APR 17,81	3.233	8.248	0.960	*******	0.091	1.051
APR 19,81	APR 18,81	0.131	1.713	0.102	0.295	0.020	0.122
APR 20,81	APR 19,81	0.310	2.171	0.068	0.396	< 0.011	0.074
APR 21,81	APR 20,81	1.096	1.572	0.047	0.194	0.025	0.072
APR 22,81	APR 21,81	2.988	0.935	0.0	0.043	0.052	0.052
APR 23,81	APR 22,81	1.160	0.522	0.064	0.0	0.125	0.189
APR 24,81	APR 23,81	1.219	0.965	0.011	0.0	0.166	0.177
APR 25,81	APR 24,81	0.741	0.802	< 0.010	0.0	0.041	0.046
APR 26,81	APR 25,81	1.221	0.509	< 0.010	0.0	0.030	0.035
APR 27,81	APR 26,81	9.599	0.563	0.010	0.0	0.053	0.064
APR 28,81	APR 27,81	3.241	0.442	0.019	0.0	0.071	0.090
APR 29,81	APR 28,81	4.798	0.593	0.028	0.0	0.093	0.121
APR 30,81	APR 29,81	0.983	2.281	0.043	0.418	0.0	0.043
MAY 1,81	APR 30,81	1.463	0.570	0.048	0.167	0.002	0.051
MAY 3,81	MAY 1,81	4.410	1.581	0.028	0.216	0.001	0.030
MAY 4,81	MAY 3,81	4.400	2.091	0.262	0.693	0.151	0.414
MAY 5,81	MAY 4,81	8.939	6.385	0.701	1.612	0.170	0.870
MAY 6,81	MAY 5,81	9.009	7.648	0.950	1.703	0.054	1.005

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 15

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAY 7,81	MAY 6,81	700	700	1	30010.0	25007	2	1	J	
MAY 8,81	MAY 7,81	730	730	1	27970.0	25009	2	1		
MAY 9,81	MAY 8,81	700	700	1	30010.0	25010	2	1		
MAY 10,81	MAY 9,81	700	700	1	28970.0	25011	2	1		
MAY 11,81	MAY 10,81	700	700	1	27840.0	25012	2	1		
MAY 12,81	MAY 11,81	700	700	1	27390.0	25013	2	1		
MAY 13,81	MAY 12,81	700	700	1	25950.0	25014	2	1		
MAY 14,81	MAY 13,81	700	700	1	29540.0	25015	2	1		
MAY 15,81	MAY 14,81	700	700	1	28690.0	25017	2	1		
MAY 16,81	MAY 15,81	700	700	1	25500.0	25018	2	1		
MAY 17,81	MAY 16,81	700	700	1	30020.0	25019	2	1		
MAY 18,81	MAY 17,81	700	700	1	30760.0	25020	2	1		
MAY 19,81	MAY 18,81	700	700	1	30300.0	25021	2	1		
MAY 20,81	MAY 19,81	700	700	1	29760.0	25022	2	1		
MAY 21,81	MAY 20,81	700	700	1	29140.0	25023	2	1	A	
MAY 22,81	MAY 21,81	700	700	1	30650.0	25025	2	1	A	
MAY 23,81	MAY 22,81	700	700	1	30780.0	25026	2	1		
MAY 25,81	MAY 23,81	700	700	1	55950.0	25027	2	1		Z
MAY 26,81	MAY 25,81	1100	700	1	21960.0	25029	2	1		
MAY 27,81	MAY 26,81	700	700	1	27060.0	25030	2	1		
MAY 28,81	MAY 27,81	700	700	1	26310.0	25031	2	1		
MAY 29,81	MAY 28,81	700	700	1	27490.0	25032	2	1		
MAY 30,81	MAY 29,81	700	700	1	27160.0	25033	2	1		
MAY 31,81	MAY 30,81	700	700	1	28710.0	25034	2	1		
JUN 1,81	MAY 31,81	700	700	1	29150.0	25035	2	1		
JUN 2,81	JUN 1,81	700	700	1	27620.0	25036	2	1		
JUN 3,81	JUN 2,81	1230	700	1	21880.0	25038	2	1		
JUN 4,81	JUN 3,81	700	700	1	24960.0	25039	2	1		
JUN 5,81	JUN 4,81	700	700	1	26080.0	25040	2	1		
JUN 6,81	JUN 5,81	700	700	1	26980.0	25041	2	1		
JUN 7,81	JUN 6,81	700	700	1	28510.0	25042	2	1		
JUN 8,81	JUN 7,81	700	700	1	29240.0	25043	2	1		
JUN 9,81	JUN 8,81	700	700	1	26170.0	25044	2	1		
JUN 10,81	JUN 9,81	700	700	1	25040.0	25046	2	1		
JUN 11,81	JUN 10,81	700	700	1	27030.0	25047	2	1		
JUN 12,81	JUN 11,81	700	700	1	28850.0	25048	2	1		
JUN 13,81	JUN 12,81	700	700	1	27350.0	25049	2	1		
JUN 14,81	JUN 13,81	700	700	1	25260.0	25050	2	1		
JUN 15,81	JUN 14,81	700	700	1	25370.0	25051	2	1		
JUN 16,81	JUN 15,81	700	700	1	27480.0	25052	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAY 7,81	MAY 6,81	1.556	0.984	0.031	0.183	< 0.002	0.032
MAY 8,81	MAY 7,81	3.723	0.0	0.0	0.279	0.0	0.0
MAY 9,81	MAY 8,81	4.570	1.880	0.305	0.697	0.161	0.465
MAY 10,81	MAY 9,81	13.360	5.417	0.564	1.412	0.565	1.129
MAY 11,81	MAY 10,81	3.252	1.355	0.140	0.306	0.003	0.142
MAY 12,81	MAY 11,81	*******	0.189	0.014	0.055	0.003	0.017
MAY 13,81	MAY 12,81	4.784	0.826	0.044	0.103	0.003	0.047
MAY 14,81	MAY 13,81	1.144	1.655	0.019	0.203	0.0	0.019
MAY 15,81	MAY 14,81	6.871	3.657	0.081	0.199	0.002	0.083
MAY 16,81	MAY 15,81	0.802	2.605	0.130	0.126	0.003	0.133
MAY 17,81	MAY 16,81	1.793	1.713	0.036	0.198	0.002	0.038
MAY 18,81	MAY 17,81	3.051	2.202	0.035	0.255	0.002	0.037
MAY 19,81	MAY 18,81	0.566	1.654	0.044	0.256	0.002	0.046
MAY 20,81	MAY 19,81	0.351	1.718	< 0.036	0.262	0.002	0.020
MAY 21,81	MAY 20,81	2.647	2.578	0.114	0.417	0.037	0.151
MAY 22,81	MAY 21,81	3.718	4.653	0.225	1.041	0.050	0.275
MAY 23,81	MAY 22,81	1.114	2.084	0.143	0.333	0.017	0.160
MAY 25,81	MAY 23,81	4.241	4.787	0.494	0.821	0.135	0.629
MAY 26,81	MAY 25,81	0.196	6.941	0.416	1.941	< 0.002	0.417
MAY 27,81	MAY 26,81	1.019	3.054	0.393	0.725	0.011	0.403
MAY 28,81	MAY 27,81	1.303	4.140	0.102	0.605	< 0.011	0.107
MAY 29,81	MAY 28,81	0.520	2.780	0.143	0.513	< 0.010	0.148
MAY 30,81	MAY 29,81	3.950	9.165	1.109	2.158	0.149	1.258
MAY 31,81	MAY 30,81	4.085	2.749	0.163	0.439	< 0.010	0.168
JUN 1,81	MAY 31,81	2.205	1.291	0.040	0.155	< 0.010	0.045
JUN 2,81	JUN 1,81	0.398	1.815	0.088	0.420	0.010	0.098
JUN 3,81	JUN 2,81	4.598	9.714	0.474	2.055	0.036	0.510
JUN 4,81	JUN 3,81	3.777	16.900	0.798	3.100	0.011	0.810
JUN 5,81	JUN 4,81	1.571	6.779	0.141	0.846	< 0.011	0.146
JUN 6,81	JUN 5,81	0.900	5.811	0.303	1.274	< 0.011	0.308
JUN 7,81	JUN 6,81	0.617	1.595	0.076	0.013	0.019	0.095
JUN 8,81	JUN 7,81	8.594	2.838	0.040	0.105	0.018	0.059
JUN 9,81	JUN 8,81	5.513	11.800	0.494	0.121	0.355	0.849
JUN 10,81	JUN 9,81	1.485	1.305	0.030	0.187	0.001	0.031
JUN 11,81	JUN 10,81	0.634	0.930	0.037	0.116	0.011	0.048
JUN 12,81	JUN 11,81	1.288	0.050	0.061	0.036	< 0.010	0.066
JUN 13,81	JUN 12,81	0.140	3.478	0.164	0.482	< 0.010	0.170
JUN 14,81	JUN 13,81	0.019	6.173	0.208	0.771	0.041	0.249
JUN 15,81	JUN 14,81	1.464	15.920	0.305	0.413	0.021	0.327
JUN 16,81	JUN 15,81	0.868	8.367	0.771	1.862	0.211	0.982

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUN 17,81	JUN 16,81	700	700	1	21420.0	25054	2	1		
JUN 18,81	JUN 17,81	700	700	1	31190.0	25055	2	1	J	
JUN 19,81	JUN 18,81	720	700	1	28550.0	25056	2	1		
JUN 20,81	JUN 19,81	700	700	1	28940.0	25057	2	1		
JUN 21,81	JUN 20,81	700	700	1	29700.0	25058	2	1		
JUN 22,81	JUN 21,81	700	700	1	28150.0	25059	2	1		
JUN 23,81	JUN 22,81	700	700	1	25780.0	25060	2	1		
JUN 24,81	JUN 23,81	700	700	1	28730.0	25062	2	1		
JUN 25,81	JUN 24,81	700	700	1	28200.0	25063	2	1		
JUN 26,81	JUN 25,81	700	700	1	28440.0	25064	2	1		
JUN 27,81	JUN 26,81	700	700	1	27840.0	25065	2	1		
JUN 28,81	JUN 27,81	700	700	1	28070.0	25066	2	1		
JUN 29,81	JUN 28,81	700	700	1	29060.0	25067	2	1		
JUN 30,81	JUN 29,81	700	700	1	27110.0	25068	2	1		
JUL 1,81	JUN 30,81	700	700	1	28470.0	25070	2	1		
JUL 2,81	JUL 1,81	700	700	1	28070.0	25071	2	1		
JUL 3,81	JUL 2,81	700	700	1	26540.0	25072	2	1		
JUL 4,81	JUL 3,81	700	700	1	26540.0	25073	2	1		
JUL 5,81	JUL 4,81	700	700	1	26250.0	25074	2	1		
JUL 6,81	JUL 5,81	700	700	1	26300.0	25075	2	1		
JUL 7,81	JUL 6,81	700	700	1	27610.0	25076	2	1		
JUL 8,81	JUL 7,81	700	700	1	27840.0	25078	2	1		
JUL 9,81	JUL 8,81	700	700	1	27480.0	25079	2	1		
JUL 10,81	JUL 9,81	700	700	1	26260.0	25080	2	1		
JUL 11,81	JUL 10,81	700	700	1	27720.0	25081	2	1		
JUL 12,81	JUL 11,81	700	700	1	28780.0	25082	2	1		
JUL 13,81	JUL 12,81	700	700	1	28230.0	25083	2	1		
JUL 14,81	JUL 13,81	700	700	1	28960.0	25084	2	1		
JUL 15,81	JUL 14,81	730	800	1	21680.0	25086	2	1		
JUL 16,81	JUL 15,81	800	945	1	30140.0	25087	2	1		
JUL 17,81	JUL 16,81	945	730	1	25100.0	25088	2	1	A	
JUL 18,81	JUL 17,81	830	700	1	27280.0	25089	2	1		
JUL 19,81	JUL 18,81	700	700	1	27450.0	25090	2	1		
JUL 20,81	JUL 19,81	700	700	1	27180.0	25091	2	1		
JUL 21,81	JUL 20,81	700	710	1	26600.0	25092	2	1		
JUL 22,81	JUL 21,81	710	705	1	27030.0	25094	2	1		
JUL 23,81	JUL 22,81	705	700	1	27640.0	25095	2	1	J	
JUL 24,81	JUL 23,81	700	700	1	27560.0	25096	2	1	J	
JUL 25,81	JUL 24,81	700	700	1	28510.0	25097	2	1	J	
JUL 26,81	JUL 25,81	700	700	1	27910.0	25098	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUN 17,81	JUN 16,81	0.0	2.982	0.325	0.762	0.002	0.327
JUN 18,81	JUN 17,81	*******	2.492	0.103	0.374	0.009	0.112
JUN 19,81	JUN 18,81	10.900	11.800	1.139	2.755	0.246	1.385
JUN 20,81	JUN 19,81	11.210	2.555	0.215	0.634	0.027	0.242
JUN 21,81	JUN 20,81	0.932	1.351	0.091	0.291	0.043	0.135
JUN 22,81	JUN 21,81	0.507	3.159	0.203	0.794	0.028	0.231
JUN 23,81	JUN 22,81	0.294	3.450	0.047	0.607	0.011	0.058
JUN 24,81	JUN 23,81	3.253	1.701	0.009	0.343	0.010	0.019
JUN 25,81	JUN 24,81	1.672	4.324	0.330	1.167	0.046	0.375
JUN 26,81	JUN 25,81	0.603	2.642	0.105	0.531	< 0.001	0.106
JUN 27,81	JUN 26,81	2.771	1.621	0.036	0.314	0.010	0.046
JUN 28,81	JUN 27,81	1.088	1.387	0.045	0.310	0.010	0.055
JUN 29,81	JUN 28,81	5.304	4.574	0.568	1.071	0.087	0.655
JUN 30,81	JUN 29,81	7.382	14.900	0.848	3.272	0.269	1.117
JUL 1,81	JUN 30,81	2.009	3.122	0.085	0.663	0.005	0.090
JUL 2,81	JUL 1,81	0.254	4.379	0.274	0.919	0.023	0.296
JUL 3,81	JUL 2,81	0.898	3.257	0.344	0.708	0.043	0.387
JUL 4,81	JUL 3,81	1.776	10.510	0.608	1.970	0.015	0.622
JUL 5,81	JUL 4,81	2.177	13.480	0.637	2.182	0.005	0.643
JUL 6,81	JUL 5,81	0.781	16.880	0.499	2.368	< 0.005	0.502
JUL 7,81	JUL 6,81	0.744	6.299	0.224	1.289	0.014	0.238
JUL 8,81	JUL 7,81	1.147	5.288	0.214	1.265	0.046	0.260
JUL 9,81	JUL 8,81	3.223	23.450	0.972	4.220	0.014	0.986
JUL 10,81	JUL 9,81	0.200	6.263	0.256	1.415	0.005	0.261
JUL 11,81	JUL 10,81	0.551	1.153	0.098	0.236	0.050	0.148
JUL 12,81	JUL 11,81	1.573	3.282	0.164	0.815	0.066	0.230
JUL 13,81	JUL 12,81	2.312	7.420	0.528	1.656	0.103	0.631
JUL 14,81	JUL 13,81	0.181	3.393	0.180	0.879	0.031	0.211
JUL 15,81	JUL 14,81	0.165	1.130	0.076	0.297	0.012	0.088
JUL 16,81	JUL 15,81	0.174	0.422	0.071	0.106	0.021	0.092
JUL 17,81	JUL 16,81	< 0.076	0.655	0.065	0.162	0.006	0.071
JUL 18,81	JUL 17,81	0.070	1.566	0.124	0.345	0.033	0.157
JUL 19,81	JUL 18,81	< 0.070	4.369	0.224	0.973	0.042	0.265
JUL 20,81	JUL 19,81	3.262	19.280	0.943	3.632	0.051	0.995
JUL 21,81	JUL 20,81	1.578	12.670	0.278	1.595	0.015	0.293
JUL 22,81	JUL 21,81	1.841	2.616	0.045	0.256	0.0	0.045
JUL 23,81	JUL 22,81	1.018	0.842	0.044	0.254	< 0.001	0.045
JUL 24,81	JUL 23,81	0.172	0.525	0.053	0.141	0.010	0.063
JUL 25,81	JUL 24,81	0.636	1.693	0.183	0.392	0.080	0.263
JUL 26,81	JUL 25,81	7.468	21.480	1.244	0.447	0.118	1.362

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 19

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUL 27.81	JUL 26.81	700	700	1	26130.0	25099	2	1	J	
JUL 28.81	JUL 27.81	700	700	1	27650.0	25100	2	1	J	
JUL 29.81	JUL 28.81	700	700	1	27290.0	25101	2	1		
JUL 30.81	JUL 29.81	700	700	1	24040.0	25103	2	1	J	
JUL 31.81	JUL 30.81	700	700	1	27400.0	25104	2	1		
AUG 1.81	JUL 31.81	700	700	1	26920.0	25105	2	1		
AUG 2.81	AUG 1.81	700	700	1	26530.0	25106	2	1		
AUG 3.81	AUG 2.81	700	700	1	26850.0	25107	2	1		
AUG 4.81	AUG 3.81	700	700	1	26650.0	25108	2	1	J	
AUG 5.81	AUG 4.81	700	700	1	26200.0	25109	2	1	J	
AUG 6.81	AUG 5.81	700	700	1	27300.0	25111	2	1		
AUG 7.81	AUG 6.81	700	700	1	26990.0	25112	2	1		
AUG 8.81	AUG 7.81	700	700	1	26340.0	25113	2	1		
AUG 9.81	AUG 8.81	700	700	1	25350.0	25114	2	1		
AUG 10.81	AUG 9.81	700	700	1	25980.0	25115	2	1		
AUG 11.81	AUG 10.81	700	700	1	26040.0	25116	2	1		
AUG 12.81	AUG 11.81	700	700	1	26230.0	25117	2	1		
AUG 13.81	AUG 12.81	700	700	1	26740.0	25119	2	1		P
AUG 14.81	AUG 13.81	700	700	1	26250.0	25120	2	1		P
AUG 15.81	AUG 14.81	700	700	1	26400.0	25121	2	1		P
AUG 16.81	AUG 15.81	700	700	1	25250.0	25122	2	1		P
AUG 17.81	AUG 16.81	700	700	1	28400.0	25123	2	1		P
AUG 18.81	AUG 17.81	700	700	1	26140.0	25124	2	1		P
AUG 19.81	AUG 18.81	700	700	1	25980.0	25125	2	1		P
AUG 20.81	AUG 19.81	700	700	1	26800.0	25127	2	1		
AUG 21.81	AUG 20.81	700	700	1	26580.0	25128	2	1		
AUG 22.81	AUG 21.81	700	700	1	26600.0	25129	2	1		
AUG 23.81	AUG 22.81	700	700	1	26550.0	25130	2	1		
AUG 24.81	AUG 23.81	700	700	1	27230.0	25131	2	1		
AUG 25.81	AUG 24.81	700	700	1	26580.0	25132	2	1		
AUG 26.81	AUG 25.81	700	700	1	26360.0	25133	2	1		
AUG 27.81	AUG 26.81	700	700	1	26000.0	25135	2	1	J	
AUG 28.81	AUG 27.81	700	700	1	26710.0	25136	2	1	J	
AUG 29.81	AUG 28.81	700	700	1	26520.0	25137	2	1		
AUG 30.81	AUG 29.81	700	700	1	25930.0	25138	2	1	C	
AUG 31.81	AUG 30.81	700	700	1	23960.0	25139	2	1	B	
SEP 1.81	AUG 31.81	700	700	1	26560.0	25140	2	1		
SEP 2.81	SEP 1.81	700	700	1	26350.0	25141	2	1		
SEP 3.81	SEP 2.81	700	700	1	27180.0	25143	2	1		
SEP 4.81	SEP 3.81	700	700	1	25790.0	25144	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 20

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUL 27,81	JUL 26,81	4.915	15.290	0.800	2.678	0.011	0.811
JUL 28,81	JUL 27,81	0.171	0.207	0.107	0.064	0.010	0.118
JUL 29,81	JUL 28,81	0.173	0.438	0.045	0.127	0.010	0.055
JUL 30,81	JUL 29,81	3.810	0.108	0.001	0.339	0.0	0.001
JUL 31,81	JUL 30,81	0.923	3.491	0.102	0.013	0.014	0.116
AUG 1,81	JUL 31,81	2.675	7.224	0.486	1.585	0.052	0.538
AUG 2,81	AUG 1,81	7.109	16.940	1.236	2.445	0.166	1.402
AUG 3,81	AUG 2,81	5.534	27.730	1.046	3.489	0.089	1.135
AUG 4,81	AUG 3,81	0.199	13.860	0.226	1.402	0.005	0.232
AUG 5,81	AUG 4,81	0.584	11.740	0.230	1.323	0.034	0.264
AUG 6,81	AUG 5,81	0.0	0.829	0.059	0.161	0.010	0.069
AUG 7,81	AUG 6,81	0.070	0.351	0.050	0.055	0.024	0.074
AUG 8,81	AUG 7,81	0.072	1.024	0.089	0.220	0.024	0.114
AUG 9,81	AUG 8,81	0.213	5.580	0.132	0.787	< 0.006	0.135
AUG 10,81	AUG 9,81	0.589	7.370	0.293	1.107	< 0.005	0.296
AUG 11,81	AUG 10,81	0.845	4.357	0.436	1.842	0.005	0.442
AUG 12,81	AUG 11,81	0.072	1.935	0.214	0.486	0.034	0.248
AUG 13,81	AUG 12,81	0.143	1.993	0.138	0.520	0.043	0.181
AUG 14,81	AUG 13,81	0.398	1.197	0.045	0.227	0.011	0.056
AUG 15,81	AUG 14,81	0.649	3.975	0.300	0.801	0.068	0.368
AUG 16,81	AUG 15,81	1.209	4.789	0.047	0.822	< 0.001	0.047
AUG 17,81	AUG 16,81	1.424	0.843	0.015	0.095	0.010	0.025
AUG 18,81	AUG 17,81	1.803	0.628	0.016	0.063	0.001	0.018
AUG 19,81	AUG 18,81	0.402	0.247	0.036	0.041	0.001	0.037
AUG 20,81	AUG 19,81	0.318	0.493	0.005	0.100	0.0	0.005
AUG 21,81	AUG 20,81	0.322	< 0.027	0.156	< 0.001	< 0.005	0.159
AUG 22,81	AUG 21,81	0.322	0.168	0.250	0.037	< 0.005	0.252
AUG 23,81	AUG 22,81	0.323	2.993	0.241	0.481	0.024	0.265
AUG 24,81	AUG 23,81	3.377	7.252	0.710	0.862	< 0.005	0.713
AUG 25,81	AUG 24,81	0.826	1.440	0.043	0.063	< 0.005	0.046
AUG 26,81	AUG 25,81	< 0.072	0.928	0.062	0.195	< 0.005	0.065
AUG 27,81	AUG 26,81	12.300	5.032	0.125	0.789	0.0	0.125
AUG 28,81	AUG 27,81	0.321	1.335	0.103	0.311	0.043	0.146
AUG 29,81	AUG 28,81	3.340	17.330	0.566	*******	< 0.005	0.568
AUG 30,81	AUG 29,81	5.074	13.010	0.644	*******	< 0.006	0.647
AUG 31,81	AUG 30,81	7.035	17.840	0.877	*******	< 0.006	0.879
SEP 1,81	AUG 31,81	10.860	17.490	0.941	*******	< 0.005	0.944
SEP 2,81	SEP 1,81	1.319	4.572	0.399	0.704	0.015	0.413
SEP 3,81	SEP 2,81	2.829	5.201	0.279	0.867	0.005	0.284
SEP 4,81	SEP 3,81	3.046	4.847	0.345	0.422	< 0.010	0.350

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 21

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
SEP 5,81	SEP 4,81	700	700	1	26380.0	25145	2	1		
SEP 6,81	SEP 5,81	700	700	1	27940.0	25146	2	1		
SEP 7,81	SEP 6,81	700	700	1	27720.0	25147	2	1		
SEP 8,81	SEP 7,81	700	700	1	24680.0	25148	2	1		
SEP 9,81	SEP 8,81	700	700	1	28240.0	25149	2	1		
SEP 10,81	SEP 9,81	700	700	1	28950.0	25151	2	1		
SEP 11,81	SEP 10,81	700	700	1	26850.0	25152	2	1		
SEP 12,81	SEP 11,81	700	700	1	26830.0	25153	2	1		
SEP 13,81	SEP 12,81	700	700	1	26250.0	25154	2	1		
SEP 14,81	SEP 13,81	700	700	1	25710.0	25155	2	1	J	
SEP 15,81	SEP 14,81	700	700	1	25730.0	25156	2	1	J	
SEP 16,81	SEP 15,81	700	700	1	26950.0	25157	2	1		
SEP 17,81	SEP 16,81	700	700	1	28830.0	25159	2	1		
SEP 18,81	SEP 17,81	700	700	1	27610.0	25160	2	1		
SEP 19,81	SEP 18,81	700	700	1	27420.0	25161	2	1		
SEP 20,81	SEP 19,81	700	700	1	25770.0	25162	2	1		
SEP 21,81	SEP 20,81	700	700	1	26460.0	25163	2	1		
SEP 22,81	SEP 21,81	700	700	1	28110.0	25164	2	1		
SEP 23,81	SEP 22,81	700	700	1	28570.0	25165	2	1		
SEP 24,81	SEP 23,81	700	700	1	27420.0	25167	2	1		
SEP 25,81	SEP 24,81	700	700	1	26720.0	25168	2	1		
SEP 26,81	SEP 25,81	700	700	1	26300.0	25169	2	1		
SEP 27,81	SEP 26,80	700	700	1	24560.0	25170	2	1		
SEP 28,81	SEP 27,81	700	700	1	27910.0	25171	2	1		
SEP 29,81	SEP 28,81	700	700	1	27230.0	25172	2	1		
SEP 30,81	SEP 29,81	700	700	1	27010.0	25173	2	1		
OCT 1,81	SEP 30,81	700	700	1	28400.0	25176	2	1		
OCT 2,81	OCT 1,81	700	700	1	25350.0	25177	2	1		
OCT 3,81	OCT 2,81	700	700	1	27250.0	25178	2	1		
OCT 4,81	OCT 3,81	700	700	1	27950.0	25179	2	1		
OCT 5,81	OCT 4,81	700	700	1	26350.0	25180	2	1		
OCT 6,81	OCT 5,81	700	700	1	25830.0	25181	2	1		
OCT 7,81	OCT 6,81	700	700	1	24980.0	25182	2	1		
OCT 8,81	OCT 7,81	700	700	1	25720.0	25183	2	1	B	
OCT 9,81	OCT 8,81	800	700	1	26680.0	25185	2	1		
OCT 10,81	OCT 9,81	700	700	1	25730.0	25186	2	1		
OCT 11,81	OCT 10,81	700	700	1	26200.0	25187	2	1		
OCT 12,81	OCT 11,81	700	700	1	26620.0	25188	2	1		
OCT 13,81	OCT 12,81	700	740	1	27230.0	25189	2	1	A	
OCT 14,81	OCT 13,81	740	700	1	27290.0	25190	2	1	A	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 22

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
SEP 5,81	SEP 4,81	0.829	1.801	0.166	0.283	< 0.009	0.171
SEP 6,81	SEP 5,81	0.188	3.490	0.229	0.586	< 0.009	0.233
SEP 7,81	SEP 6,81	0.428	9.740	0.321	1.013	< 0.009	0.325
SEP 8,81	SEP 7,81	0.619	8.833	0.492	1.243	0.051	0.543
SEP 9,81	SEP 8,81	2.311	2.167	0.200	0.449	< 0.009	0.204
SEP 10,81	SEP 9,81	1.851	0.845	0.106	0.187	0.014	0.120
SEP 11,81	SEP 10,81	1.686	3.239	0.161	0.360	< 0.005	0.164
SEP 12,81	SEP 11,81	1.687	4.415	0.236	0.724	< 0.005	0.238
SEP 13,81	SEP 12,81	5.393	3.313	0.108	0.881	0.024	0.132
SEP 14,81	SEP 13,81	0.204	1.924	0.139	0.572	0.054	0.193
SEP 15,81	SEP 14,81	0.204	2.408	0.090	0.626	0.015	0.105
SEP 16,81	SEP 15,81	0.689	1.835	0.040	0.340	< 0.005	0.042
SEP 17,81	SEP 16,81	0.587	0.567	0.020	0.107	0.0	0.020
SEP 18,81	SEP 17,81	0.312	0.207	0.021	0.019	0.005	0.026
SEP 19,81	SEP 18,81	0.314	0.754	0.057	0.183	0.005	0.063
SEP 20,81	SEP 19,81	0.722	1.873	0.139	0.504	0.083	0.222
SEP 21,81	SEP 20,81	11.550	1.114	0.040	0.099	0.005	0.046
SEP 22,81	SEP 21,81	7.421	0.292	0.038	0.015	< 0.005	0.041
SEP 23,81	SEP 22,81	0.186	0.200	0.020	0.024	0.005	0.025
SEP 24,81	SEP 23,81	0.0	0.166	0.016	0.026	0.007	0.023
SEP 25,81	SEP 24,81	2.426	1.831	0.053	0.282	0.003	0.056
SEP 26,81	SEP 25,81	3.857	4.446	0.568	0.980	0.022	0.589
SEP 27,81	SEP 26,80	6.166	9.336	0.966	2.339	0.0	0.966
SEP 28,81	SEP 27,81	0.768	1.352	0.114	0.365	0.012	0.125
SEP 29,81	SEP 28,81	3.725	0.372	0.025	0.113	0.0	0.025
SEP 30,81	SEP 29,81	12.900	0.053	0.034	0.001	0.003	0.037
OCT 1,81	SEP 30,81	0.723	0.157	0.005	0.056	0.005	0.010
OCT 2,81	OCT 1,81	0.412	0.324	0.025	0.067	0.006	0.031
OCT 3,81	OCT 2,81	1.363	0.210	0.014	0.052	< 0.005	0.017
OCT 4,81	OCT 3,81	0.255	0.115	0.104	0.034	0.014	0.118
OCT 5,81	OCT 4,81	4.180	0.784	0.034	0.165	0.043	0.077
OCT 6,81	OCT 5,81	7.245	5.786	1.082	1.555	0.102	1.184
OCT 7,81	OCT 6,81	8.692	1.732	0.0	0.355	< 0.006	0.003
OCT 8,81	OCT 7,81	0.406	0.174	0.015	0.033	< 0.006	0.018
OCT 9,81	OCT 8,81	0.393	0.258	0.0	0.060	0.010	0.010
OCT 10,81	OCT 9,81	0.538	0.486	0.043	0.068	0.015	0.058
OCT 11,81	OCT 10,81	0.398	0.191	0.023	0.0	0.015	0.038
OCT 12,81	OCT 11,81	0.268	0.376	0.032	0.030	0.015	0.047
OCT 13,81	OCT 12,81	0.383	1.010	0.114	0.145	0.033	0.147
OCT 14,81	OCT 13,81	0.873	2.059	0.160	0.519	0.088	0.247

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
OCT 15,81	OCT 14,81	700	700	1	28810.0	25191	2	1		
OCT 16,81	OCT 15,81	700	700	1	27610.0	25193	2	1		
OCT 17,81	OCT 16,81	700	700	1	26740.0	25194	2	1		
OCT 18,81	OCT 17,81	700	700	1	28240.0	25195	2	1		
OCT 19,81	OCT 18,81	700	700	1	27730.0	25196	2	1		
OCT 20,81	OCT 19,81	700	700	1	28450.0	25197	2	1		
OCT 21,81	OCT 20,81	700	700	1	28550.0	25198	2	1		
OCT 22,81	OCT 21,81	700	700	1	28910.0	25199	2	1		
OCT 23,81	OCT 22,81	700	700	1	27570.0	25201	2	1		
OCT 24,81	OCT 23,81	700	700	1	26800.0	25202	2	1		
OCT 25,81	OCT 24,81	700	700	1	29040.0	25203	2	1		
OCT 26,81	OCT 25,81	700	700	1	27930.0	25204	2	1		
OCT 27,81	OCT 26,81	700	700	1	26010.0	25205	2	1		
OCT 28,81	OCT 27,81	700	700	1	27000.0	25206	2	1		
OCT 29,81	OCT 28,81	700	700	1	27050.0	25207	2	1		
OCT 30,81	OCT 29,81	700	700	1	27620.0	25209	2	1		
OCT 31,81	OCT 30,81	700	700	1	28730.0	25210	2	1		
NOV 1,81	OCT 31,81	700	700	1	28580.0	25211	2	1		
NOV 2,81	NOV 1,81	700	700	1	26740.0	25212	2	1		
NOV 3,81	NOV 2,81	700	700	1	28060.0	25213	2	1		
NOV 4,81	NOV 3,81	700	700	1	27600.0	25214	2	1	J	
NOV 5,81	NOV 4,81	700	700	1	27880.0	25215	2	1	J	
NOV 6,81	NOV 5,81	700	700	1	28540.0	25217	2	1		
NOV 7,81	NOV 6,81	700	700	1	28560.0	25218	2	1	E	
NOV 8,81	NOV 7,81	700	700	1	28510.0	25219	2	1	E	
NOV 9,81	NOV 8,81	700	700	1	29590.0	25220	2	1	E	
NOV 10,81	NOV 9,81	700	700	1	30660.0	25221	2	1	E	
NOV 11,81	NOV 10,81	700	700	1	29800.0	25222	2	1	E	
NOV 12,81	NOV 11,81	700	700	1	30200.0	25223	2	1	E	
NOV 13,81	NOV 12,81	700	700	1	30890.0	25225	2	1	E	
NOV 14,81	NOV 13,81	700	700	1	26920.0	25226	2	1		
NOV 15,81	NOV 14,81	700	700	1	27200.0	25227	2	1		
NOV 16,81	NOV 15,81	700	700	1	28930.0	25228	2	1		
NOV 17,81	NOV 16,81	700	700	1	27290.0	25229	2	1		
NOV 18,81	NOV 17,81	700	700	1	26530.0	25230	2	1		
NOV 19,81	NOV 18,81	700	700	1	28760.0	25231	2	1		
NOV 20,81	NOV 19,81	700	700	1	30110.0	25233	2	1		
NOV 21,81	NOV 20,81	700	700	1	25500.0	25234	2	1	I	
NOV 22,81	NOV 21,81	700	700	1	29300.0	25235	2	1	I	
NOV 23,81	NOV 22,81	700	700	1	29920.0	25236	2	1	I	

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
OCT 15,81	OCT 14,81	15.660	4.443	0.828	1.276	0.257	1.085
OCT 16,81	OCT 15,81	0.484	3.694	0.558	0.967	0.050	0.607
OCT 17,81	OCT 16,81	5.497	0.187	0.033	0.053	0.009	0.043
OCT 18,81	OCT 17,81	0.471	1.636	0.280	0.459	0.080	0.359
OCT 19,81	OCT 18,81	3.008	0.945	0.086	0.263	0.018	0.104
OCT 20,81	OCT 19,81	3.283	0.791	0.128	0.206	0.035	0.163
OCT 21,81	OCT 20,81	7.356	1.926	0.383	0.524	0.193	0.576
OCT 22,81	OCT 21,81	5.984	1.038	0.057	0.102	0.017	0.074
OCT 23,81	OCT 22,81	0.312	0.136	0.032	0.791	<W 0.009	0.032
OCT 24,81	OCT 23,81	6.925	1.164	0.080	0.008	<W 0.009	0.080
OCT 25,81	OCT 24,81	7.872	1.722	0.194	0.144	0.026	0.220
OCT 26,81	OCT 25,81	11.660	3.974	0.621	0.153	0.027	0.648
OCT 27,81	OCT 26,81	1.484	3.845	0.398	0.387	< 0.010	0.402
OCT 28,81	OCT 27,81	3.541	3.741	0.274	0.0	<W 0.009	0.274
OCT 29,81	OCT 28,81	*******	0.969	0.061	0.008	0.018	0.079
OCT 30,81	OCT 29,81	0.728	1.086	0.084	0.260	0.027	0.111
OCT 31,81	OCT 30,81	4.177	5.151	0.775	0.344	0.017	0.793
NOV 1,81	OCT 31,81	4.549	4.024	0.860	0.176	0.114	0.973
NOV 2,81	NOV 1,81	7.966	9.013	1.341	0.270	0.028	1.369
NOV 3,81	NOV 2,81	*******	0.713	0.127	0.311	0.018	0.145
NOV 4,81	NOV 3,81	*******	0.768	0.075	1.039	0.018	0.093
NOV 5,81	NOV 4,81	*******	1.435	0.164	0.576	0.072	0.236
NOV 6,81	NOV 5,81	*******	8.760	1.243	0.259	0.729	1.972
NOV 7,81	NOV 6,81	2.135	0.567	0.078	< 0.003	0.026	0.104
NOV 8,81	NOV 7,81	4.815	1.010	0.043	0.208	0.026	0.069
NOV 9,81	NOV 8,81	2.625	1.098	0.436	1.054	0.152	0.589
NOV 10,81	NOV 9,81	0.140	0.163	0.015	0.032	0.016	0.031
NOV 11,81	NOV 10,81	9.439	2.141	0.487	0.670	0.352	0.839
NOV 12,81	NOV 11,81	1.158	0.911	0.106	0.231	0.017	0.123
NOV 13,81	NOV 12,81	6.116	1.359	0.062	0.303	0.304	0.367
NOV 14,81	NOV 13,81	4.294	3.279	0.369	1.256	0.449	0.818
NOV 15,81	NOV 14,81	1.912	1.863	0.200	0.625	0.097	0.297
NOV 16,81	NOV 15,81	1.797	1.323	0.067	0.415	0.048	0.115
NOV 17,81	NOV 16,81	1.173	1.219	0.062	0.348	< 0.005	0.064
NOV 18,81	NOV 17,81	7.486	2.762	0.073	0.724	0.005	0.078
NOV 19,81	NOV 18,81	13.760	4.988	0.180	0.800	<W 0.005	0.180
NOV 20,81	NOV 19,81	0.856	1.416	0.0	0.322	0.0	0.0
NOV 21,81	NOV 20,81	1.925	0.418	0.0	0.057	< 0.006	0.003
NOV 22,81	NOV 21,81	2.358	0.323	0.0	0.070	< 0.005	0.002
NOV 23,81	NOV 22,81	19.470	0.985	0.0	0.159	< 0.005	0.002

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
NOV 24.81	NOV 23.81	700	700	1	29400.0	25237	2	1	I	
NOV 25.81	NOV 24.81	700	700	1	29350.0	25238	2	1	I	
NOV 26.81	NOV 25.81	700	700	1	28840.0	25239	2	1	I	
NOV 27.81	NOV 26.81	700	700	1	29480.0	25241	2	1	I	
NOV 28.81	NOV 27.81	700	700	1	26900.0	25242	2	1		
NOV 29.81	NOV 28.81	700	700	1	29620.0	25243	2	1		
NOV 30.81	NOV 29.81	700	700	1	28630.0	25244	2	1		
DEC 1.81	NOV 30.81	700	700	1	29720.0	25245	2	1	EI	
DEC 2.81	DEC 1.81	700	700	1	28640.0	25246	2	1		
DEC 3.81	DEC 2.81	700	700	1	28220.0	25247	2	1		
DEC 4.81	DEC 3.81	700	700	1	27080.0	25249	2	1		
DEC 5.81	DEC 4.81	700	700	1	27820.0	25250	2	1		
DEC 6.81	DEC 5.81	700	700	1	29170.0	25251	2	1		
DEC 7.81	DEC 6.81	700	700	1	29320.0	25252	2	1		
DEC 8.81	DEC 7.81	700	700	1	28300.0	25253	2	1		
DEC 9.81	DEC 8.81	700	700	1	30030.0	25254	2	1		
DEC 10.81	DEC 9.81	700	700	1	30080.0	25255	2	1		
DEC 11.81	DEC 10.81	700	700	1	30110.0	25257	2	1		
DEC 12.81	DEC 11.81	700	700	1	28290.0	25258	2	1		
DEC 13.81	DEC 12.81	700	700	1	28900.0	25259	2	1		
DEC 14.81	DEC 13.81	700	700	1	28050.0	25260	2	1		
DEC 15.81	DEC 14.81	700	700	1	28380.0	25261	2	1		
DEC 16.81	DEC 15.81	700	700	1	26320.0	25262	2	1		
DEC 17.81	DEC 16.81	700	700	1	29530.0	25263	2	1		
DEC 18.81	DEC 17.81	700	700	1	30130.0	25265	2	1		
DEC 19.81	DEC 18.81	700	700	1	28210.0	25266	2	1		
DEC 20.81	DEC 19.81	700	700	1	30010.0	25267	2	1		
DEC 21.81	DEC 20.81	700	700	1	30260.0	25268	2	1		
DEC 22.81	DEC 21.81	700	700	1	29160.0	25269	2	1		
DEC 23.81	DEC 22.81	700	700	1	28350.0	25270	2	1		
DEC 24.81	DEC 23.81	700	700	1	28040.0	25271	2	1		
DEC 25.81	DEC 24.81	700	700	1	29020.0	25273	2	1		
DEC 26.81	DEC 25.81	700	700	1	26020.0	25274	2	1		
DEC 27.81	DEC 26.81	700	700	1	26990.0	25275	2	1		
DEC 28.81	DEC 27.81	700	700	1	27140.0	25276	2	1		
DEC 29.81	DEC 28.81	700	700	1	27680.0	25277	2	1		
DEC 30.81	DEC 29.81	700	700	1	28790.0	25278	2	1		
DEC 31.81	DEC 30.81	700	700	1	28450.0	25279	2	1		
JAN 1.82	DEC 31.81	700	700	1	28730.0	25281	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : DORSET/DAILY/SEQUENTIAL #02 PAGE : 26

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
NOV 24,81	NOV 23,81	9.377	1.257	0.004	0.305	< 0.005	0.006
NOV 25,81	NOV 24,81	8.814	1.174	0.0	0.390	< 0.005	0.002
NOV 26,81	NOV 25,81	9.802	1.108	0.578	0.103	0.014	0.591
NOV 27,81	NOV 26,81	4.237	1.107	0.065	0.350	0.021	0.087
NOV 28,81	NOV 27,81	4.409	1.512	0.155	0.345	< 0.009	0.160
NOV 29,81	NOV 28,81	8.832	1.248	0.031	0.102	< 0.008	0.036
NOV 30,81	NOV 29,81	1.118	0.854	0.024	0.214	0.017	0.041
DEC 1,81	NOV 30,81	3.318	1.368	0.166	0.245	0.042	0.208
DEC 2,81	DEC 1,81	8.331	2.164	0.451	0.537	0.044	0.495
DEC 3,81	DEC 2,81	6.081	2.727	0.254	1.076	0.257	0.511
DEC 4,81	DEC 3,81	1.443	2.808	0.326	0.916	< 0.009	0.330
DEC 5,81	DEC 4,81	U 31.840	U 0.865	U 0.056	U 0.027	U 0.009	*******
DEC 6,81	DEC 5,81	11.650	1.510	0.045	0.117	0.017	0.062
DEC 7,81	DEC 6,81	10.190	1.421	0.054	0.292	< 0.009	0.058
DEC 8,81	DEC 7,81	7.021	1.779	0.409	0.546	0.044	0.453
DEC 9,81	DEC 8,81	1.968	0.761	0.077	0.195	< 0.008	0.081
DEC 10,81	DEC 9,81	0.299	0.301	0.019	0.050	< 0.008	0.023
DEC 11,81	DEC 10,81	0.0	0.480	0.0	0.060	< 0.005	0.002
DEC 12,81	DEC 11,81	4.343	1.307	0.027	0.080	<W 0.005	0.027
DEC 13,81	DEC 12,81	4.251	0.978	0.061	0.161	< 0.005	0.063
DEC 14,81	DEC 13,81	6.162	3.724	0.909	1.015	0.174	1.083
DEC 15,81	DEC 14,81	8.910	5.126	1.445	0.013	< 0.005	1.448
DEC 16,81	DEC 15,81	7.707	1.404	0.786	0.270	0.015	0.801
DEC 17,81	DEC 16,81	U 62.740	U 3.158	U 0.110	U 0.286	U 0.005	*******
DEC 18,81	DEC 17,81	7.543	0.904	0.102	0.167	< 0.004	0.104
DEC 19,81	DEC 18,81	2.988	0.853	0.100	0.258	< 0.012	0.106
DEC 20,81	DEC 19,81	9.240	0.512	0.044	0.161	< 0.008	0.048
DEC 21,81	DEC 20,81	12.830	1.542	0.339	0.446	0.107	0.447
DEC 22,81	DEC 21,81	36.160	7.985	0.860	1.193	0.043	0.903
DEC 23,81	DEC 22,81	18.390	5.498	0.948	1.297	< 0.009	0.952
DEC 24,81	DEC 23,81	6.109	3.704	0.573	0.919	0.018	0.591
DEC 25,81	DEC 24,81	3.056	2.248	0.516	0.694	0.123	0.639
DEC 26,81	DEC 25,81	6.867	2.361	0.539	0.698	0.051	0.589
DEC 27,81	DEC 26,81	3.545	1.672	0.267	0.424	0.003	0.270
DEC 28,81	DEC 27,81	9.310	3.793	0.579	0.993	0.003	0.582
DEC 29,81	DEC 28,81	2.738	4.008	0.665	1.371	0.192	0.858
DEC 30,81	DEC 29,81	4.956	3.002	0.225	0.624	0.002	0.227
DEC 31,81	DEC 30,81	10.390	5.446	1.132	1.728	0.379	1.511
JAN 1,82	DEC 31,81	22.340	4.637	0.794	1.151	0.0	0.794

PART V

SOUTHEASTERN REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAR 24,81	MAR 23,81	700	700	1	27980.0	983	2	1		
MAR 25,81	MAR 24,81	700	700	1	27780.0	984	2	1		
MAR 26,81	MAR 25,81	700	700	1	28170.0	985	2	1		
MAR 27,81	MAR 26,81	700	700	1	28420.0	986	2	1		
MAR 28,81	MAR 27,81	700	700	1	28990.0	987	2	1		
MAR 29,81	MAR 28,81	700	700	1	29340.0	988	2	1		
MAR 30,81	MAR 29,81	700	700	1	28100.0	989	2	1		
MAR 31,81	MAR 30,81	700	700	1	25930.0	991	2	1		
APR 1,81	MAR 31,81	700	700	1	25810.0	992	2	1		
APR 2,81	APR 1,81	700	700	1	27460.0	993	2	1		
APR 3,81	APR 2,81	700	700	1	29150.0	994	2	1		
APR 4,81	APR 3,81	700	700	1	27440.0	995	2	1		
APR 5,81	APR 4,81	700	700	1	26090.0	996	2	1		
APR 6,81	APR 5,81	700	700	1	29390.0	997	2	1		
APR 7,81	APR 6,81	700	700	1	29920.0	998	2	1		
APR 8,81	APR 7,81	700	700	1	30140.0	999	2	1		
APR 9,81	APR 8,81	700	700	1	29280.0	1000	2	1		
APR 10,81	APR 9,81	700	700	1	28250.0	1001	2	1		
APR 11,81	APR 10,81	700	700	1	28720.0	1003	2	1		
APR 12,81	APR 11,81	700	700	1	27610.0	1004	2	1		
APR 13,81	APR 12,81	700	700	1	29230.0	1005	2	1		
APR 14,81	APR 13,81	700	700	1	28890.0	1006	2	1		
APR 15,81	APR 14,81	700	700	1	29040.0	1007	2	1		
APR 16,81	APR 15,81	700	700	1	30160.0	1008	2	1		
APR 17,81	APR 16,81	700	700	1	28750.0	1009	2	1		
APR 18,81	APR 17,81	700	700	1	23820.0	2328	2	1		
APR 19,81	APR 18,81	700	700	1	28750.0	2329	2	1		
APR 20,81	APR 19,81	700	700	1	28660.0	2330	2	1		
APR 21,81	APR 20,81	700	700	1	30390.0	2331	2	1		
APR 22,81	APR 21,81	700	700	1	30070.0	2332	2	1		
APR 23,81	APR 22,81	700	700	1	29350.0	2333	2	1		
APR 24,81	APR 23,81	700	700	1	26980.0	2334	2	1		
APR 25,81	APR 24,81	700	700	1	********	20001	2	1		
APR 26,81	APR 25,81	700	700	1	********	20002	2	1		
APR 27,81	APR 26,81	700	700	1	********	20003	2	1		
APR 28,81	APR 27,81	700	700	1	********	20004	2	1		
APR 29,81	APR 28,81	700	700	1	********	20005	2	1		
APR 30,81	APR 29,81	700	700	1	********	20006	2	1		
MAY 1,81	APR 30,81	700	700	1	********	20007	2	1		
MAY 2,81	MAY 1,81	700	700	1	17100.0	20009	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAR 24,81	MAR 23,81	0.900	2.192	0.090	0.521	0.135	0.225
MAR 25,81	MAR 24,81	1.507	0.141	0.047	0.503	0.028	0.076
MAR 26,81	MAR 25,81	2.321	2.312	0.330	0.613	0.214	0.543
MAR 27,81	MAR 26,81	11.670	5.100	0.865	1.414	0.318	1.183
MAR 28,81	MAR 27,81	2.831	2.592	0.225	0.693	0.078	0.304
MAR 29,81	MAR 28,81	13.350	4.156	0.538	1.134	0.146	0.684
MAR 30,81	MAR 29,81	15.750	11.670	0.740	2.636	0.768	1.508
MAR 31,81	MAR 30,81	3.917	4.972	0.397	1.453	0.127	0.524
APR 1,81	MAR 31,81	1.038	2.449	1.465	0.623	0.070	1.535
APR 2,81	APR 1,81	4.937	3.349	0.444	0.903	0.184	0.628
APR 3,81	APR 2,81	3.484	1.350	0.282	0.311	0.133	0.415
APR 4,81	APR 3,81	13.760	4.973	0.875	1.297	0.393	1.268
APR 5,81	APR 4,81	4.928	3.241	0.422	0.855	0.222	0.644
APR 6,81	APR 5,81	1.200	3.041	0.289	0.762	0.094	0.383
APR 7,81	APR 6,81	1.638	0.963	0.054	0.240	0.003	0.057
APR 8,81	APR 7,81	12.360	2.576	1.126	1.011	0.507	1.633
APR 9,81	APR 8,81	19.960	2.655	0.544	2.356	< 0.011	0.549
APR 10,81	APR 9,81	3.843	8.422	0.238	0.714	0.338	0.575
APR 11,81	APR 10,81	12.180	2.141	0.833	1.194	0.513	1.346
APR 12,81	APR 11,81	6.105	4.054	0.546	1.033	0.082	0.629
APR 13,81	APR 12,81	3.150	2.064	0.173	0.517	0.035	0.208
APR 14,81	APR 13,81	4.450	2.514	0.453	0.547	0.182	0.635
APR 15,81	APR 14,81	2.251	1.943	0.106	0.362	0.036	0.141
APR 16,81	APR 15,81	2.711	1.626	0.101	0.372	0.101	0.202
APR 17,81	APR 16,81	14.660	4.450	0.904	1.538	0.852	1.756
APR 18,81	APR 17,81	9.526	7.062	0.750	2.028	0.044	0.794
APR 19,81	APR 18,81	5.515	3.529	0.150	0.710	0.044	0.194
APR 20,81	APR 19,81	3.439	2.071	0.098	0.475	0.045	0.143
APR 21,81	APR 20,81	0.394	1.503	0.026	0.280	0.027	0.053
APR 22,81	APR 21,81	1.173	1.442	0.119	0.373	0.176	0.295
APR 23,81	APR 22,81	3.082	1.610	0.228	0.429	0.067	0.295
APR 24,81	APR 23,81	1.189	1.830	0.271	0.686	0.225	0.495
APR 25,81	APR 24,81	*******	*******	*******	*******	*******	*******
APR 26,81	APR 25,81	*******	*******	*******	*******	*******	*******
APR 27,81	APR 26,81	*******	*******	*******	*******	*******	*******
APR 28,81	APR 27,81	*******	*******	*******	*******	*******	*******
APR 29,81	APR 28,81	*******	*******	*******	*******	*******	*******
APR 30,81	APR 29,81	*******	*******	*******	*******	*******	*******
MAY 1,81	APR 30,81	*******	*******	*******	*******	*******	*******
MAY 2,81	MAY 1,81	0.835	0.480	0.123	0.182	< 0.017	0.132

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
MAY 3.81	MAY 2.81	700	700	1	13460.0	20010	2	1		
MAY 4.81	MAY 3.81	700	700	1	27350.0	20011	2	1		
MAY 5.81	MAY 4.81	700	700	1	26950.0	20012	2	1		
MAY 6.81	MAY 5.81	700	700	1	27640.0	20013	2	1		
MAY 7.81	MAY 6.81	700	700	1	28430.0	20014	2	1		
MAY 8.81	MAY 7.81	700	700	1	28740.0	20015	2	1		
MAY 9.81	MAY 8.81	700	700	1	24375.0	20023	2	1		
MAY 10.81	MAY 9.81	700	700	1	29360.0	20024	2	1	E	
MAY 11.81	MAY 10.81	700	700	1	26760.0	20025	2	1		
MAY 12.81	MAY 11.81	700	700	1	25010.0	20026	2	1		
MAY 13.81	MAY 12.81	700	700	1	27330.0	20027	2	1		
MAY 14.81	MAY 13.81	700	700	1	28250.0	20028	2	1		
MAY 15.81	MAY 14.81	700	700	1	25440.0	20033	2	1		
MAY 16.81	MAY 15.81	700	700	1	28250.0	20034	2	1		
MAY 17.81	MAY 16.81	700	700	1	28640.0	20035	2	1		
MAY 18.81	MAY 17.81	700	700	1	27980.0	20036	2	1		
MAY 19.81	MAY 18.81	700	700	1	28600.0	20037	2	1		
MAY 20.81	MAY 19.81	700	700	1	29190.0	20038	2	1		
MAY 21.81	MAY 20.81	700	700	1	********	20039	2	1		X
MAY 22.81	MAY 21.81	700	700	1	29340.0	20041	2	1		
MAY 23.81	MAY 22.81	700	700	1	27570.0	20042	2	1		
MAY 24.81	MAY 23.81	700	700	1	26780.0	20043	2	1		
MAY 25.81	MAY 24.81	700	700	1	28420.0	20044	2	1		
MAY 26.81	MAY 25.81	700	700	1	26060.0	20045	2	1		
MAY 27.81	MAY 26.81	700	700	1	28820.0	20046	2	1		
MAY 28.81	MAY 27.81	700	700	1	25480.0	20047	2	1		
MAY 29.81	MAY 28.81	700	700	1	26160.0	20049	2	1		
MAY 30.81	MAY 29.81	700	700	1	26330.0	20050	2	1		
MAY 31.81	MAY 30.81	700	700	1	25640.0	20051	2	1		
JUN 1.81	MAY 31.81	700	700	1	27810.0	20052	2	1		
JUN 2.81	JUN 1.81	700	700	1	27720.0	20053	2	1		
JUN 3.81	JUN 2.81	700	700	1	28650.0	20054	2	1		
JUN 4.81	JUN 3.81	700	700	1	25630.0	20055	2	1		
JUN 5.81	JUN 4.81	700	701	1	24160.0	20057	2	1	J	
JUN 6.81	JUN 5.81	700	700	1	26970.0	20058	2	1		
JUN 7.81	JUN 6.81	700	700	1	27020.0	20059	2	1		
JUN 8.81	JUN 7.81	700	700	1	27320.0	20060	2	1		
JUN 9.81	JUN 8.81	700	700	1	26280.0	20061	2	1	CO	
JUN 10.81	JUN 9.81	700	700	1	27230.0	20062	2	1		
JUN 11.81	JUN 10.81	700	700	1	26920.0	20063	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
MAY 3,81	MAY 2,81	0.0	0.471	0.011	0.0	0.061	0.072
MAY 4,81	MAY 3,81	0.297	0.620	0.124	0.091	0.067	0.191
MAY 5,81	MAY 4,81	1.044	1.743	0.414	0.370	0.095	0.509
MAY 6,81	MAY 5,81	9.205	3.374	0.685	0.839	0.192	0.878
MAY 7,81	MAY 6,81	0.166	0.333	0.031	0.170	< 0.003	0.033
MAY 8,81	MAY 7,81	1.327	0.938	0.144	0.262	0.124	0.268
MAY 9,81	MAY 8,81	4.161	3.029	0.358	0.782	0.114	0.472
MAY 10,81	MAY 9,81	8.121	2.751	0.614	0.701	0.188	0.802
MAY 11,81	MAY 10,81	5.397	4.427	1.166	1.233	0.216	1.382
MAY 12,81	MAY 11,81	0.589	1.378	0.368	0.341	0.051	0.420
MAY 13,81	MAY 12,81	5.431	2.128	0.291	0.479	0.056	0.348
MAY 14,81	MAY 13,81	1.704	1.797	0.193	0.410	0.081	0.274
MAY 15,81	MAY 14,81	1.088	5.869	0.477	0.382	0.121	0.598
MAY 16,81	MAY 15,81	0.268	1.159	0.058	0.416	0.003	0.061
MAY 17,81	MAY 16,81	0.383	1.317	0.075	0.322	0.020	0.095
MAY 18,81	MAY 17,81	0.628	0.766	0.202	0.338	0.020	0.222
MAY 19,81	MAY 18,81	1.199	0.795	0.180	0.768	0.037	0.217
MAY 20,81	MAY 19,81	0.489	1.717	0.031	0.266	0.002	0.033
MAY 21,81	MAY 20,81	*******	*******	*******	*******	*******	*******
MAY 22,81	MAY 21,81	4.593	4.179	0.688	0.421	0.274	0.962
MAY 23,81	MAY 22,81	0.658	3.140	0.200	0.722	0.101	0.301
MAY 24,81	MAY 23,81	1.297	4.998	0.280	0.919	0.216	0.496
MAY 25,81	MAY 24,81	9.902	17.170	0.939	3.252	0.703	1.643
MAY 26,81	MAY 25,81	7.614	14.770	1.159	3.738	0.422	1.581
MAY 27,81	MAY 26,81	10.010	8.045	1.197	1.860	0.478	1.675
MAY 28,81	MAY 27,81	0.448	4.194	0.530	1.213	0.227	0.757
MAY 29,81	MAY 28,81	0.563	8.882	0.473	1.847	0.051	0.524
MAY 30,81	MAY 29,81	2.713	9.413	0.890	2.226	0.088	0.978
MAY 31,81	MAY 30,81	1.877	8.341	0.785	1.966	0.129	0.914
JUN 1,81	MAY 31,81	0.652	1.225	0.078	0.206	0.030	0.108
JUN 2,81	JUN 1,81	5.571	4.396	0.124	0.852	0.057	0.180
JUN 3,81	JUN 2,81	2.727	5.056	0.563	1.261	0.081	0.644
JUN 4,81	JUN 3,81	3.567	7.798	0.805	1.869	0.110	0.915
JUN 5,81	JUN 4,81	0.473	4.050	0.556	1.073	0.024	0.579
JUN 6,81	JUN 5,81	6.097	9.879	0.775	*******	0.191	0.966
JUN 7,81	JUN 6,81	3.014	3.384	0.465	0.806	0.070	0.535
JUN 8,81	JUN 7,81	2.007	1.286	0.123	0.230	0.097	0.220
JUN 9,81	JUN 8,81	5.382	5.629	0.565	1.438	0.234	0.799
JUN 10,81	JUN 9,81	2.381	1.907	0.160	0.642	0.042	0.202
JUN 11,81	JUN 10,81	1.294	0.933	0.236	0.176	0.126	0.362

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUN 12.81	JUN 11.81	700	700	1	28090.0	20065	2	1		
JUN 13.81	JUN 12.81	700	700	1	25740.0	20066	2	1		
JUN 14.81	JUN 13.81	700	700	1	27610.0	20067	2	1		
JUN 15.81	JUN 14.81	700	700	1	23980.0	20068	2	1		
JUN 16.81	JUN 15.81	700	700	1	25120.0	20069	2	1		
JUN 17.81	JUN 16.81	700	700	1	26950.0	20070	2	1		
JUN 18.81	JUN 17.81	700	700	1	25540.0	20071	2	1		
JUN 19.81	JUN 18.81	700	700	1	25600.0	20073	2	1		
JUN 20.81	JUN 19.81	700	700	1	27360.0	20074	2	1		
JUN 21.81	JUN 20.81	700	700	1	27610.0	20075	2	1		
JUN 22.81	JUN 21.81	700	700	1	26320.0	20076	2	1		
JUN 23.81	JUN 22.81	700	700	1	15410.0	20078	2	1	A	
JUN 24.81	JUN 23.81	700	700	1	28020.0	20079	2	1		
JUN 25.81	JUN 24.81	700	700	1	28060.0	20080	2	1		
JUN 26.81	JUN 25.81	700	700	1	********	20081	2	1		X
JUN 27.81	JUN 26.81	700	700	1	25140.0	20082	2	1	A	
JUN 28.81	JUN 27.81	700	700	1	26600.0	20083	2	1		
JUN 29.81	JUN 28.81	700	700	1	27630.0	20084	2	1		
JUN 30.81	JUN 29.81	700	700	1	26920.0	20085	2	1		
JUL 1.81	JUN 30.81	700	700	1	26180.0	20086	2	1		
JUL 2.81	JUL 1.81	700	700	1	25990.0	20087	2	1	H	
JUL 3.81	JUL 2.81	700	700	1	26230.0	20089	2	1		
JUL 4.81	JUL 3.81	700	700	1	27990.0	20090	2	1		
JUL 5.81	JUL 4.81	700	700	1	24940.0	20091	2	1		
JUL 6.81	JUL 5.81	700	700	1	25110.0	20092	2	1		
JUL 7.81	JUL 6.81	700	700	1	25920.0	20093	2	1		
JUL 8.81	JUL 7.81	700	700	1	26400.0	20094	2	1		
JUL 9.81	JUL 8.81	700	700	1	28120.0	20095	2	1		
JUL 10.81	JUL 9.81	700	700	1	24960.0	20097	2	1		
JUL 11.81	JUL 10.81	700	700	1	26550.0	20098	2	1		
JUL 12.81	JUL 11.81	700	700	1	26900.0	20099	2	1		
JUL 13.81	JUL 12.81	700	700	1	27310.0	20100	2	1		
JUL 14.81	JUL 13.81	700	700	1	26540.0	20101	2	1		
JUL 15.81	JUL 14.81	700	700	1	26620.0	20102	2	1		
JUL 16.81	JUL 15.81	700	700	1	27240.0	20103	2	1		
JUL 17.81	JUL 16.81	700	700	1	26880.0	20105	2	1		
JUL 18.81	JUL 17.81	700	700	1	25940.0	20106	2	1		
JUL 19.81	JUL 18.81	700	700	1	25570.0	20107	2	1		
JUL 20.81	JUL 19.81	700	700	1	25720.0	20108	2	1		
JUL 21.81	JUL 20.81	700	700	1	23620.0	20109	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03 PAGE : 6

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JUN 12,81	JUN 11,81	0.782	1.983	0.248	0.467	0.099	0.346
JUN 13,81	JUN 12,81	2.275	4.292	0.618	1.078	0.122	0.740
JUN 14,81	JUN 13,81	1.882	7.768	0.388	1.947	0.060	0.448
JUN 15,81	JUN 14,81	1.888	11.990	0.697	3.126	0.027	0.724
JUN 16,81	JUN 15,81	7.228	19.090	2.091	4.855	0.205	2.296
JUN 17,81	JUN 16,81	7.999	11.110	1.140	2.640	0.367	1.507
JUN 18,81	JUN 17,81	1.643	3.550	0.412	0.918	0.192	0.603
JUN 19,81	JUN 18,81	8.646	8.491	1.191	1.998	0.249	1.440
JUN 20,81	JUN 19,81	22.660	*******	1.626	4.532	*******	*******
JUN 21,81	JUN 20,81	2.173	2.173	0.263	0.507	0.081	0.344
JUN 22,81	JUN 21,81	2.280	8.435	0.638	1.995	0.133	0.771
JUN 23,81	JUN 22,81	1.512	2.109	0.146	0.529	0.032	0.178
JUN 24,81	JUN 23,81	1.188	0.223	0.125	0.095	0.018	0.143
JUN 25,81	JUN 24,81	9.872	8.019	0.624	2.049	0.214	0.838
JUN 26,81	JUN 25,81	*******	*******	*******	*******	*******	*******
JUN 27,81	JUN 26,81	0.019	0.925	0.050	0.158	0.055	0.105
JUN 28,81	JUN 27,81	0.392	0.826	0.132	0.159	0.090	0.222
JUN 29,81	JUN 28,81	3.624	2.514	0.398	0.611	0.105	0.503
JUN 30,81	JUN 29,81	12.040	14.100	1.170	3.339	0.070	1.240
JUL 1,81	JUN 30,81	7.148	15.450	0.928	3.674	0.044	0.972
JUL 2,81	JUL 1,81	3.611	5.405	0.519	2.920	0.735	1.254
JUL 3,81	JUL 2,81	1.343	3.292	0.210	0.488	0.144	0.353
JUL 4,81	JUL 3,81	1.142	5.018	0.525	1.162	0.085	0.611
JUL 5,81	JUL 4,81	2.348	8.800	0.601	1.937	0.026	0.627
JUL 6,81	JUL 5,81	0.739	8.700	0.597	2.123	0.036	0.633
JUL 7,81	JUL 6,81	0.975	14.950	0.629	3.612	0.102	0.731
JUL 8,81	JUL 7,81	1.082	5.662	0.443	1.273	0.318	0.761
JUL 9,81	JUL 8,81	1.016	12.610	0.462	2.927	0.085	0.547
JUL 10,81	JUL 9,81	0.429	7.227	0.344	1.738	0.055	0.399
JUL 11,81	JUL 10,81	0.967	0.942	0.090	0.163	0.056	0.147
JUL 12,81	JUL 11,81	1.204	1.859	0.210	0.316	0.149	0.359
JUL 13,81	JUL 12,81	7.641	10.980	0.767	1.969	0.578	1.345
JUL 14,81	JUL 13,81	1.096	4.936	0.345	1.243	0.038	0.382
JUL 15,81	JUL 14,81	0.090	0.609	0.043	0.146	0.019	0.062
JUL 16,81	JUL 15,81	0.209	0.507	0.060	0.087	0.028	0.088
JUL 17,81	JUL 16,81	1.116	1.209	0.137	0.183	0.130	0.267
JUL 18,81	JUL 17,81	0.771	1.203	0.190	0.166	0.077	0.267
JUL 19,81	JUL 18,81	1.435	8.213	0.642	2.196	0.039	0.682
JUL 20,81	JUL 19,81	3.243	15.360	0.783	4.081	0.078	0.860
JUL 21,81	JUL 20,81	1.270	8.552	0.346	2.378	0.021	0.367

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JUL 22.81	JUL 21.81	700	700	1	27160.0	20110	2	1		
JUL 23.81	JUL 22.81	700	700	1	27630.0	20111	2	1		
JUL 24.81	JUL 23.81	700	700	1	26120.0	20113	2	1		
JUL 25.81	JUL 24.81	700	700	1	27530.0	20114	2	1		
JUL 26.81	JUL 25.81	700	700	1	27470.0	20115	2	1		
JUL 27.81	JUL 26.81	700	700	1	26260.0	20116	2	1		
JUL 28.81	JUL 27.81	700	700	1	25790.0	20117	2	1		
JUL 29.81	JUL 28.81	700	700	1	25020.0	20118	2	1		
JUL 30.81	JUL 29.81	700	700	1	25710.0	20119	2	1		
JUL 31.81	JUL 30.81	700	700	1	25740.0	20121	2	1		
AUG 1.81	JUL 31.81	700	700	1	25520.0	20122	2	1		
AUG 2.81	AUG 1.81	700	700	1	29330.0	20123	2	1		
AUG 3.81	AUG 2.81	700	700	1	25910.0	20124	2	1		
AUG 4.81	AUG 3.81	700	700	1	25430.0	20125	2	1		
AUG 5.81	AUG 4.81	700	700	1	25520.0	20126	2	1		
AUG 6.81	AUG 5.81	700	700	1	25130.0	20127	2	1		
AUG 7.81	AUG 6.81	700	700	1	25450.0	20129	2	1		
AUG 8.81	AUG 7.81	700	700	1	27130.0	20130	2	1		
AUG 9.81	AUG 8.81	700	700	1	24580.0	20131	2	1		
AUG 10.81	AUG 9.81	700	700	1	25220.0	20132	2	1		
AUG 11.81	AUG 10.81	700	700	1	25830.0	20133	2	1		
AUG 12.81	AUG 11.81	700	700	1	25050.0	20134	2	1		
AUG 13.81	AUG 12.81	700	700	1	26580.0	20135	2	1		
AUG 14.81	AUG 13.81	700	700	1	25200.0	20137	2	1		
AUG 15.81	AUG 14.81	700	700	1	25550.0	20138	2	1		
AUG 16.81	AUG 15.81	700	700	1	23780.0	20139	2	1		
AUG 17.81	AUG 16.81	700	700	1	27720.0	20140	2	1		
AUG 18.81	AUG 17.81	700	700	1	27670.0	20141	2	1		
AUG 19.81	AUG 18.81	700	700	1	25780.0	20142	2	1		
AUG 20.81	AUG 19.81	700	700	1	25780.0	20143	2	1		
AUG 21.81	AUG 20.81	700	700	1	25240.0	20145	2	1		
AUG 22.81	AUG 21.81	700	700	1	25240.0	20146	2	1		
AUG 23.81	AUG 22.81	700	700	1	25490.0	20147	2	1		
AUG 24.81	AUG 23.81	700	700	1	26750.0	20148	2	1		
AUG 25.81	AUG 24.81	700	700	1	26790.0	20149	2	1		
AUG 26.81	AUG 25.81	700	700	1	25730.0	20150	2	1		
AUG 27.81	AUG 26.81	700	700	1	26880.0	20151	2	1		
AUG 28.81	AUG 27.81	700	800	1	24800.0	20153	2	1	I	
AUG 29.81	AUG 28.81	700	800	1	26660.0	20154	2	1		
AUG 30.81	AUG 29.81	700	700	1	3450.0	20155	2	1	G	F

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE		SULPHUR DIOXIDE UG/M**3		SULPHATE UG/M**3		NITRIC AS N UG/M**3		AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3		TOTL NO3 AS N UG/M**3
JUL 22,81	JUL 21,81		0.246		0.876		0.071		0.254		0.018		0.089
JUL 23,81	JUL 22,81		1.448		1.766		0.061		0.389		0.027		0.088
JUL 24,81	JUL 23,81	<W	0.128		0.957		0.064		0.132		0.096		0.160
JUL 25,81	JUL 24,81		1.453		2.223		0.197		0.345		0.136		0.333
JUL 26,81	JUL 25,81		4.842		12.740		0.853		2.687		0.027		0.880
JUL 27,81	JUL 26,81		3.176		13.520		0.492		1.999		0.010		0.502
JUL 28,81	JUL 27,81		0.647		0.775		0.065		0.095		0.029		0.094
JUL 29,81	JUL 28,81		0.532		1.247		0.117		0.292		0.030		0.147
JUL 30,81	JUL 29,81	<	0.130		0.630		0.075		0.132		0.029		0.104
JUL 31,81	JUL 30,81		0.777		1.748		0.121		0.359		0.068		0.189
AUG 1,81	JUL 31,81		0.913		2.939		0.496		0.372		0.108		0.604
AUG 2,81	AUG 1,81		1.592		3.239		0.302		0.801		0.026		0.328
AUG 3,81	AUG 2,81		10.150		29.140		1.673		4.593		0.029		1.702
AUG 4,81	AUG 3,81		4.208		19.470		1.272		5.505		0.020		1.292
AUG 5,81	AUG 4,81	U	2.484	U	22.730	U	0.915	U	4.781	U	0.020		*******
AUG 6,81	AUG 5,81	<W	0.133		1.544		0.124		0.388		0.020		0.143
AUG 7,81	AUG 6,81		0.262		1.768		0.153		0.413		0.069		0.222
AUG 8,81	AUG 7,81		0.737		2.857		0.272		0.627		0.092		0.365
AUG 9,81	AUG 8,81		0.407		4.882		0.230		1.334		0.031		0.260
AUG 10,81	AUG 9,81		2.379		10.030		0.767		3.021		0.089		0.856
AUG 11,81	AUG 10,81		2.195		14.320		0.838		3.244		0.029		0.867
AUG 12,81	AUG 11,81		1.597		7.106		0.355		1.976		0.070		0.425
AUG 13,81	AUG 12,81		1.505		3.055		0.351		0.959		0.339		0.690
AUG 14,81	AUG 13,81		0.226		1.040		0.127		0.171		0.050		0.177
AUG 15,81	AUG 14,81		0.747		0.979		0.155		0.172		0.078		0.233
AUG 16,81	AUG 15,81		1.501		6.308		0.240		1.775		0.032		0.272
AUG 17,81	AUG 16,81		0.086		0.316		0.035		0.041		0.027		0.062
AUG 18,81	AUG 17,81		0.206		0.181		0.035		0.016		0.027		0.062
AUG 19,81	AUG 18,81		0.480		0.485		0.066		0.048		0.039		0.105
AUG 20,81	AUG 19,81		0.349		0.822		0.192		0.214		0.078		0.270
AUG 21,81	AUG 20,81		1.794		1.434		0.210		0.262		0.035		0.246
AUG 22,81	AUG 21,81		3.113		2.924		0.242		0.404		0.194		0.436
AUG 23,81	AUG 22,81		2.561		3.774		0.269		0.424		0.192		0.461
AUG 24,81	AUG 23,81		6.040		11.210		0.903		2.475		0.071		0.974
AUG 25,81	AUG 24,81		1.193		2.284		0.097		0.541		0.043		0.140
AUG 26,81	AUG 25,81		0.982		0.925		0.140		0.171		0.054		0.194
AUG 27,81	AUG 26,81		1.063		3.393		0.441		0.930		0.294		0.735
AUG 28,81	AUG 27,81		1.625		4.414		0.242		1.128		0.061		0.303
AUG 29,81	AUG 28,81		2.448		1.060		0.394		0.312		0.080		0.474
AUG 30,81	AUG 29,81	U	6.368	U	3.845	U	0.290	U	1.110	U	0.041		*******

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
AUG 31.81	AUG 30.81	700	700	1	25240.0	20156	2	1		
SEP 1.81	AUG 31.81	700	700	1	25990.0	20157	2	1		
SEP 2.81	SEP 1.81	700	700	1	26070.0	20158	2	1		
SEP 3.81	SEP 2.81	700	700	1	24450.0	20159	2	1		
SEP 4.81	SEP 3.81	700	700	1	26290.0	20161	2	1		
SEP 5.81	SEP 4.81	700	700	1	24380.0	20162	2	1		
SEP 6.81	SEP 5.81	700	700	1	24930.0	20163	2	1		
SEP 7.81	SEP 6.81	700	700	1	25520.0	20164	2	1	I	
SEP 8.81	SEP 7.81	700	700	1	25330.0	20165	2	1		
SEP 9.81	SEP 8.81	700	700	1	26160.0	20166	2	1		
SEP 10.81	SEP 9.81	700	700	1	27690.0	20167	2	1		
SEP 11.81	SEP 10.81	700	700	1	23600.0	20169	2	1		
SEP 12.81	SEP 11.81	700	700	1	25520.0	20170	2	1		
SEP 13.81	SEP 12.81	700	700	1	26180.0	20171	2	1		
SEP 14.81	SEP 13.81	700	700	1	23820.0	20172	2	1		
SEP 15.81	SEP 14.81	700	700	1	25490.0	20173	2	1		
SEP 16.81	SEP 15.81	700	700	1	27990.0	20174	2	1		
SEP 17.81	SEP 16.81	700	700	1	27770.0	20175	2	1		
SEP 18.81	SEP 17.81	700	700	1	25010.0	20177	2	1		
SEP 19.81	SEP 18.81	700	700	1	24690.0	20178	2	1		
SEP 20.81	SEP 19.81	700	700	1	25460.0	20179	2	1		
SEP 21.81	SEP 20.81	700	700	1	25450.0	20180	2	1		
SEP 22.81	SEP 21.81	700	700	1	25540.0	20181	2	1		
SEP 23.81	SEP 22.81	700	700	1	23870.0	20182	2	1		
SEP 24.81	SEP 23.81	700	700	1	26170.0	20183	2	1		
SEP 25.81	SEP 24.81	700	700	1	26050.0	20185	2	1		
SEP 26.81	SEP 25.81	700	700	1	25700.0	20186	2	1		
SEP 27.81	SEP 26.81	700	700	1	25320.0	20187	2	1		
SEP 28.81	SEP 27.81	700	700	1	26840.0	20188	2	1		
SEP 29.81	SEP 28.81	700	700	1	28200.0	20189	2	1		
SEP 30.81	SEP 29.81	700	700	1	27250.0	20190	2	1		
OCT 1.81	SEP 30.81	700	700	1	27960.0	20191	2	1		
OCT 2.81	OCT 1.81	700	700	1	25320.0	20193	2	1		
OCT 3.81	OCT 2.81	700	700	1	24170.0	20194	2	1		
OCT 4.81	OCT 3.81	700	700	1	27660.0	20195	2	1		
OCT 5.81	OCT 4.81	700	700	1	27480.0	20196	2	1		
OCT 6.81	OCT 5.81	700	700	1	25430.0	20197	2	1		
OCT 7.81	OCT 6.81	700	700	1	26090.0	20198	2	1		
OCT 8.81	OCT 7.81	700	700	1	25870.0	20199	2	1		
OCT 9.81	OCT 8.81	700	700	1	27580.0	20201	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
AUG 31,81	AUG 30,81	U 1.397	U 21.530	U 0.543	U 2.329	U 0.065	*******
SEP 1,81	AUG 31,81	0.845	10.180	0.450	2.500	0.015	0.465
SEP 2,81	SEP 1,81	2.630	10.030	0.794	1.764	0.044	0.838
SEP 3,81	SEP 2,81	1.442	2.739	0.286	0.768	0.057	0.343
SEP 4,81	SEP 3,81	1.152	5.738	0.0	1.196	0.0	0.0
SEP 5,81	SEP 4,81	0.215	2.542	0.316	0.482	< 0.006	0.319
SEP 6,81	SEP 5,81	0.077	4.752	0.189	1.402	0.156	0.345
SEP 7,81	SEP 6,81	2.820	7.189	0.400	*******	0.591	0.992
SEP 8,81	SEP 7,81	1.128	*******	0.818	1.230	< 0.006	0.821
SEP 9,81	SEP 8,81	1.730	6.325	0.333	1.153	< 0.005	0.336
SEP 10,81	SEP 9,81	1.754	0.883	0.089	0.253	0.050	0.139
SEP 11,81	SEP 10,81	1.424	3.129	0.197	0.768	0.022	0.219
SEP 12,81	SEP 11,81	0.075	2.820	0.162	0.732	0.015	0.178
SEP 13,81	SEP 12,81	0.709	3.704	0.187	0.992	0.082	0.269
SEP 14,81	SEP 13,81	1.762	6.275	0.518	1.762	0.499	1.017
SEP 15,81	SEP 14,81	1.121	7.433	0.555	1.898	0.182	0.737
SEP 16,81	SEP 15,81	1.617	1.810	0.094	0.499	0.032	0.126
SEP 17,81	SEP 16,81	0.910	1.018	0.131	0.237	0.032	0.163
SEP 18,81	SEP 17,81	2.943	1.853	0.164	0.406	0.251	0.415
SEP 19,81	SEP 18,81	0.752	2.611	0.339	0.558	0.269	0.608
SEP 20,81	SEP 19,81	2.300	2.336	0.279	0.581	0.104	0.383
SEP 21,81	SEP 20,81	0.863	1.649	0.034	0.451	< 0.006	0.036
SEP 22,81	SEP 21,81	1.643	1.396	0.073	0.422	0.015	0.088
SEP 23,81	SEP 22,81	0.080	1.234	0.109	0.263	< 0.006	0.112
SEP 24,81	SEP 23,81	0.073	0.123	0.014	0.051	< 0.005	0.016
SEP 25,81	SEP 24,81	0.210	0.385	0.015	0.105	0.029	0.045
SEP 26,81	SEP 25,81	3.134	2.851	0.465	0.718	0.317	0.781
SEP 27,81	SEP 26,81	8.971	7.325	0.815	1.941	0.055	0.870
SEP 28,81	SEP 27,81	3.992	5.494	0.370	1.556	0.080	0.450
SEP 29,81	SEP 28,81	3.445	0.513	0.032	0.092	< 0.005	0.034
SEP 30,81	SEP 29,81	1.730	0.210	0.033	0.059	0.005	0.038
OCT 1,81	SEP 30,81	1.926	0.653	0.032	0.140	0.023	0.055
OCT 2,81	OCT 1,81	1.035	1.456	0.370	0.269	0.133	0.503
OCT 3,81	OCT 2,81	0.118	0.827	0.189	0.186	< 0.010	0.194
OCT 4,81	OCT 3,81	0.223	0.405	0.021	0.175	< 0.009	0.025
OCT 5,81	OCT 4,81	1.196	0.910	0.148	0.246	0.100	0.248
OCT 6,81	OCT 5,81	2.472	3.244	0.809	0.834	0.039	0.848
OCT 7,81	OCT 6,81	3.444	3.112	0.374	1.081	0.029	0.403
OCT 8,81	OCT 7,81	0.369	0.097	0.022	0.021	< 0.010	0.027
OCT 9,81	OCT 8,81	0.0	0.091	0.057	0.014	0.018	0.075

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
OCT 10,81	OCT 9,81	700	700	1	25490.0	20202	2	1		
OCT 11,81	OCT 10,81	700	700	1	24690.0	20203	2	1		
OCT 12,81	OCT 11,81	700	700	1	27510.0	20204	2	1		
OCT 13,81	OCT 12,81	700	700	1	26440.0	20205	2	1		
OCT 14,81	OCT 13,81	700	700	1	25240.0	20206	2	1		
OCT 15,81	OCT 14,81	700	700	1	26740.0	20207	2	1		
OCT 16,81	OCT 15,81	700	700	1	26120.0	20209	2	1		
OCT 17,81	OCT 16,81	700	700	1	25240.0	20210	2	1		
OCT 18,81	OCT 17,81	700	700	1	26380.0	20211	2	1		
OCT 19,81	OCT 18,81	700	700	1	26240.0	20212	2	1		
OCT 20,81	OCT 19,81	700	700	1	27040.0	20213	2	1		
OCT 21,81	OCT 20,81	700	700	1	27380.0	20214	2	1		
OCT 22,81	OCT 21,81	700	700	1	26280.0	20215	2	1		
OCT 23,81	OCT 22,81	700	700	1	23880.0	20217	2	1		
OCT 24,81	OCT 23,81	700	700	1	25690.0	20218	2	1		
OCT 25,81	OCT 24,81	700	700	1	27870.0	20219	2	1		
OCT 26,81	OCT 25,81	700	700	1	25280.0	20220	2	1		
OCT 27,81	OCT 26,81	700	700	1	22950.0	20221	2	1		
OCT 28,81	OCT 27,81	700	700	1	23490.0	20222	2	1		
OCT 29,81	OCT 28,81	700	700	1	28240.0	20223	2	1		
OCT 30,81	OCT 29,81	700	700	1	26000.0	20225	2	1		
OCT 31,81	OCT 30,81	700	800	1	28770.0	20226	2	1		
NOV 1,81	OCT 31,81	700	700	1	27300.0	20227	2	1		
NOV 2,81	NOV 1,81	700	700	1	28500.0	20228	2	1		
NOV 3,81	NOV 2,81	700	700	1	27570.0	20229	2	1		
NOV 4,81	NOV 3,81	700	700	1	29590.0	20230	2	1		
NOV 5,81	NOV 4,81	700	700	1	28560.0	20231	2	1		
NOV 6,81	NOV 5,81	700	700	1	25110.0	20233	2	1		
NOV 7,81	NOV 6,81	700	700	1	24250.0	20234	2	1		
NOV 8,81	NOV 7,81	700	700	1	27250.0	20235	2	1		
NOV 9,81	NOV 8,81	700	700	1	28220.0	20236	2	1		
NOV 10,81	NOV 9,81	700	700	1	27670.0	20237	2	1		
NOV 11,81	NOV 10,81	700	700	1	27500.0	20238	2	1		
NOV 12,81	NOV 11,81	700	700	1	27900.0	20239	2	1		
NOV 13,81	NOV 12,81	700	700	1	27400.0	20241	2	1		
NOV 14,81	NOV 13,81	700	700	1	25490.0	20242	2	1		
NOV 15,81	NOV 14,81	700	700	1	27420.0	20243	2	1		
NOV 16,81	NOV 15,81	700	700	1	27280.0	20244	2	1		
NOV 17,81	NOV 16,81	700	700	1	27230.0	20245	2	1		
NOV 18,81	NOV 17,81	700	700	1	25410.0	20246	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3		NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
OCT 10,81	OCT 9,81	0.0	0.147	0.025	0.012		0.029	0.055
OCT 11,81	OCT 10,81	2.741	0.859	0.147	0.136		0.020	0.168
OCT 12,81	OCT 11,81	3.187	1.727	0.340	0.429		0.082	0.421
OCT 13,81	OCT 12,81	2.053	1.986	0.402	0.522		0.095	0.497
OCT 14,81	OCT 13,81	1.624	2.872	0.513	0.919		0.277	0.790
OCT 15,81	OCT 14,81	8.500	5.423	0.735	1.477		0.122	0.856
OCT 16,81	OCT 15,81	*******	6.049	1.406	1.588		0.360	1.766
OCT 17,81	OCT 16,81	1.002	0.444	0.048	0.475		0.025	0.074
OCT 18,81	OCT 17,81	2.468	0.332	0.198	0.100		0.034	0.232
OCT 19,81	OCT 18,81	2.870	1.761	0.161	0.525		0.044	0.204
OCT 20,81	OCT 19,81	1.675	0.695	0.091	0.155		0.024	0.115
OCT 21,81	OCT 20,81	12.000	0.913	0.592	0.346		0.078	0.670
OCT 22,81	OCT 21,81	2.865	0.426	0.084	0.081		0.015	0.099
OCT 23,81	OCT 22,81	12.710	1.167	0.174	0.355		0.011	0.185
OCT 24,81	OCT 23,81	2.704	1.326	0.151	0.261		0.025	0.177
OCT 25,81	OCT 24,81	2.493	0.641	0.059	0.239		0.005	0.064
OCT 26,81	OCT 25,81	3.788	1.300	0.520	0.427		0.075	0.595
OCT 27,81	OCT 26,81	4.783	3.937	0.137	1.329		0.170	0.307
OCT 28,81	OCT 27,81	0.688	0.175	0.081	0.064	<W	0.006	0.081
OCT 29,81	OCT 28,81	1.635	1.914	0.094	0.453		0.014	0.108
OCT 30,81	OCT 29,81	6.596	2.722	0.443	0.596		0.255	0.698
OCT 31,81	OCT 30,81	*******	3.242	0.657	0.747		0.191	0.849
NOV 1,81	OCT 31,81	*******	4.999	0.686	1.026		0.128	0.814
NOV 2,81	NOV 1,81	*******	6.578	1.457	1.656		0.132	1.589
NOV 3,81	NOV 2,81	*******	2.610	0.225	0.682		0.027	0.253
NOV 4,81	NOV 3,81	*******	0.955	0.335	0.093	<W	0.008	0.335
NOV 5,81	NOV 4,81	*******	1.382	0.218	0.341		0.088	0.305
NOV 6,81	NOV 5,81	20.060	7.162	1.121	2.190		0.593	1.714
NOV 7,81	NOV 6,81	2.751	1.524	0.212	0.400		0.222	0.435
NOV 8,81	NOV 7,81	2.081	0.487	0.014	*******		0.060	0.075
NOV 9,81	NOV 8,81	12.190	3.213	0.544	*******		0.804	1.348
NOV 10,81	NOV 9,81	3.722	0.523	0.032	*******		0.050	0.083
NOV 11,81	NOV 10,81	3.636	0.799	0.142	*******		0.233	0.374
NOV 12,81	NOV 11,81	8.423	1.637	0.283	*******		0.140	0.422
NOV 13,81	NOV 12,81	4.332	0.088	0.115	*******		0.041	0.156
NOV 14,81	NOV 13,81	7.559	1.004	0.692	*******		0.177	0.869
NOV 15,81	NOV 14,81	7.975	3.026	1.143	2.188		0.893	2.036
NOV 16,81	NOV 15,81	9.996	4.061	0.610	*******		0.284	0.894
NOV 17,81	NOV 16,81	8.178	2.864	0.373	*******		0.312	0.685
NOV 18,81	NOV 17,81	4.041	4.832	0.399	*******		0.108	0.507

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
NOV 19.81	NOV 18.81	700	700	1	25740.0	20247	2	1		
NOV 20.81	NOV 19.81	700	700	1	27870.0	20249	2	1		
NOV 21.81	NOV 20.81	700	700	1	23960.0	20250	2	1		
NOV 22.81	NOV 21.81	700	700	1	26450.0	20251	2	1		
NOV 23.81	NOV 22.81	700	700	1	29600.0	20252	2	1		
NOV 24.81	NOV 23.81	700	700	1	28720.0	20253	2	1		
NOV 25.81	NOV 24.81	700	700	1	29610.0	20254	2	1		
NOV 26.81	NOV 25.81	700	700	1	28910.0	20255	2	1		
NOV 27.81	NOV 26.81	700	700	1	27910.0	20257	2	1		
NOV 28.81	NOV 27.81	700	700	1	27480.0	20258	2	1		
NOV 29.81	NOV 28.81	700	700	1	29370.0	20259	2	1		
NOV 30.81	NOV 29.81	700	700	1	30150.0	20260	2	1		
DEC 1.81	NOV 30.81	700	700	1	29360.0	20261	2	1		
DEC 2.81	DEC 1.81	700	700	1	28510.0	20262	2	1		
DEC 3.81	DEC 2.81	700	700	1	27610.0	20263	2	1		
DEC 4.81	DEC 3.81	700	700	1	28710.0	20265	2	1		
DEC 5.81	DEC 4.81	700	700	1	26400.0	20266	2	1		
DEC 6.81	DEC 5.81	700	700	1	27600.0	20267	2	1		
DEC 7.81	DEC 6.81	700	700	1	29170.0	20268	2	1		
DEC 8.81	DEC 7.81	700	700	1	27660.0	20269	2	1		
DEC 9.81	DEC 8.81	700	700	1	23310.0	20270	2	1		
DEC 10.81	DEC 9.81	700	700	1	29536.0	20271	2	1		
DEC 11.81	DEC 10.81	700	700	1	27940.0	20273	2	1		
DEC 12.81	DEC 11.81	700	700	1	26470.0	20274	2	1		
DEC 13.81	DEC 12.81	700	700	1	28080.0	20275	2	1		
DEC 14.81	DEC 13.81	700	700	1	26720.0	20276	2	1		
DEC 15.81	DEC 14.81	700	700	1	27740.0	20277	2	1		
DEC 16.81	DEC 15.81	700	700	1	27250.0	20278	2	1		
DEC 17.81	DEC 16.81	700	700	1	27180.0	20281	2	1		
DEC 18.81	DEC 17.81	700	700	1	27790.0	20282	2	1		
DEC 19.81	DEC 18.81	700	700	1	28160.0	20283	2	1		
DEC 20.81	DEC 19.81	700	700	1	29000.0	20284	2	1		
DEC 21.81	DEC 20.81	700	700	1	28730.0	20285	2	1		
DEC 22.81	DEC 21.81	700	700	1	27690.0	20286	2	1		
DEC 23.81	DEC 22.81	700	700	1	26840.0	20287	2	1		
DEC 24.81	DEC 23.81	700	700	1	25980.0	20289	2	1		
DEC 25.81	DEC 24.81	700	700	1	27170.0	20290	2	1		
DEC 26.81	DEC 25.81	700	700	1	27320.0	20291	2	1		
DEC 27.81	DEC 26.81	700	700	1	27650.0	20292	2	1		
DEC 28.81	DEC 27.81	700	700	1	26930.0	20293	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
NOV 19,81	NOV 18,81	2.552	3.612	0.190	*******	< 0.010	0.195
NOV 20,81	NOV 19,81	1.009	1.281	0.110	*******	0.036	0.146
NOV 21,81	NOV 20,81	1.729	1.175	0.201	*******	0.042	0.243
NOV 22,81	NOV 21,81	1.944	0.122	0.050	*******	< 0.009	0.055
NOV 23,81	NOV 22,81	2.413	0.151	0.028	*******	0.017	0.045
NOV 24,81	NOV 23,81	6.422	0.894	0.072	0.130	0.026	0.098
NOV 25,81	NOV 24,81	3.763	0.109	0.070	0.028	0.017	0.087
NOV 26,81	NOV 25,81	0.281	0.978	0.098	0.236	0.112	0.210
NOV 27,81	NOV 26,81	2.963	0.675	0.281	0.162	0.083	0.365
NOV 28,81	NOV 27,81	5.411	1.163	0.377	0.285	0.066	0.443
NOV 29,81	NOV 28,81	5.880	0.363	0.063	0.004	0.002	0.066
NOV 30,81	NOV 29,81	1.184	< 0.024	0.045	0.009	0.002	0.047
DEC 1,81	NOV 30,81	14.060	1.984	0.114	0.260	0.198	0.313
DEC 2,81	DEC 1,81	5.356	1.647	0.461	0.248	0.134	0.595
DEC 3,81	DEC 2,81	13.500	4.073	0.448	0.817	0.499	0.946
DEC 4,81	DEC 3,81	5.335	5.059	0.850	1.010	0.738	1.588
DEC 5,81	DEC 4,81	12.230	2.760	0.839	0.214	0.081	0.920
DEC 6,81	DEC 5,81	1.433	0.966	0.067	0.103	0.023	0.091
DEC 7,81	DEC 6,81	6.166	0.314	0.021	*******	0.013	0.034
DEC 8,81	DEC 7,81	4.442	0.917	0.374	0.181	0.150	0.524
DEC 9,81	DEC 8,81	0.981	1.624	0.144	0.229	0.049	0.193
DEC 10,81	DEC 9,81	1.451	0.054	0.037	0.022	0.013	0.051
DEC 11,81	DEC 10,81	0.203	0.339	0.015	0.052	0.043	0.058
DEC 12,81	DEC 11,81	0.215	0.452	0.026	0.023	0.069	0.094
DEC 13,81	DEC 12,81	0.085	0.159	0.060	0.016	0.029	0.089
DEC 14,81	DEC 13,81	8.184	4.246	0.690	1.018	0.143	0.833
DEC 15,81	DEC 14,81	22.920	6.686	1.097	1.521	0.048	1.145
DEC 16,81	DEC 15,81	16.610	8.788	1.238	*******	0.030	1.268
DEC 17,81	DEC 16,81	38.960	5.278	0.995	0.838	0.0	0.995
DEC 18,81	DEC 17,81	5.350	0.967	0.072	0.201	0.104	0.176
DEC 19,81	DEC 18,81	4.712	1.039	0.098	0.164	0.174	0.271
DEC 20,81	DEC 19,81	4.093	0.664	0.043	0.046	0.074	0.117
DEC 21,81	DEC 20,81	9.248	1.283	0.096	0.170	0.327	0.423
DEC 22,81	DEC 21,81	23.820	3.405	1.011	0.920	0.059	1.070
DEC 23,81	DEC 22,81	20.960	3.609	0.252	0.189	0.024	0.275
DEC 24,81	DEC 23,81	12.940	4.026	0.567	1.603	0.030	0.597
DEC 25,81	DEC 24,81	7.354	3.786	0.305	1.144	0.769	1.074
DEC 26,81	DEC 25,81	13.430	3.582	1.109	1.086	0.563	1.672
DEC 27,81	DEC 26,81	6.250	4.082	0.209	2.122	0.929	1.138
DEC 28,81	DEC 27,81	13.730	5.676	0.427	2.465	0.709	1.135

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
DEC 29,81	DEC 28,81	700	700	1	26000.0	20294	2	1		
DEC 30,81	DEC 29,81	700	700	1	27450.0	20295	2	1		
DEC 31,81	DEC 30,81	700	700	1	31170.0	20297	2	1		
JAN 1,82	DEC 31,81	700	700	1	25760.0	20298	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : CHARLESTON LAKE/DAILY/SEQUENTIAL #03

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
DEC 29,81	DEC 28,81	5.608	3.475	0.673	1.449	0.411	1.084
DEC 30,81	DEC 29,81	4.838	3.966	0.211	0.644	0.023	0.234
DEC 31,81	DEC 30,81	5.116	4.663	0.722	1.214	0.265	0.987
JAN 1,82	DEC 31,81	13.190	4.342	0.555	1.234	0.025	0.580

PART VI

NORTHWESTERN REGION DAILY AMBIENT AIR CONCENTRATION RESULTS

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/SEQUENTIAL #04 PAGE : 1

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
OCT 3,81	OCT 2,81	800	759	1	13970.0	30001	2	1		P
OCT 4,81	OCT 3,81	800	759	1	16020.0	30002	2	1		P
OCT 5,81	OCT 4,81	800	759	1	10950.0	30003	2	1		P
OCT 6,81	OCT 5,81	800	759	1	13020.0	30004	2	1		P
OCT 7,81	OCT 6,81	800	759	1	16860.0	30005	2	1		P
OCT 8,81	OCT 7,81	800	759	1	15190.0	30006	2	1		P
OCT 9,81	OCT 8,81	800	759	1	16470.0	30007	2	1		
OCT 10,81	OCT 9,81	800	759	1	15990.0	30014	2	1		P
OCT 11,81	OCT 10,81	730	730	1	11420.0	30008	2	1		P
OCT 12,81	OCT 11,81	730	730	1	13070.0	30009	2	1		P
OCT 13,81	OCT 12,81	730	730	1	16590.0	30010	2	1		P
OCT 14,81	OCT 13,81	730	730	1	10910.0	30011	2	1		P
OCT 15,81	OCT 14,81	730	730	1	15070.0	30012	2	1		P
OCT 16,81	OCT 15,81	730	730	1	16260.0	30013	2	1		P
OCT 17,81	OCT 16,81	900	900	1	9450.0	30021	2	1	AG	F
OCT 18,81	OCT 17,81	900	900	1	********	30015	2	1	AG	
OCT 19,81	OCT 18,81	900	900	1	1041.0	30016	2	1	AG	F
OCT 20,81	OCT 19,81	900	900	1	********	30017	2	1	AG	
OCT 21,81	OCT 20,81	900	900	1	********	30018	2	1	AG	
OCT 22,81	OCT 21,81	900	900	1	********	30019	2	1	AG	
OCT 23,81	OCT 22,81	900	900	1	********	30020	2	1	AG	
OCT 24,81	OCT 23,81	900	900	1	10620.0	30023	2	1	E	
OCT 25,81	OCT 24,81	900	900	1	25510.0	30024	2	1	E	
OCT 26,81	OCT 25,81	900	900	1	24520.0	30025	2	1	E	
OCT 27,81	OCT 26,81	900	900	1	27390.0	30026	2	1	E	
OCT 28,81	OCT 27,81	900	900	1	15520.0	30027	2	1	E	
OCT 29,81	OCT 28,81	900	900	1	21850.0	30028	2	1	E	
OCT 30,81	OCT 29,81	900	900	1	22590.0	30029	2	1	E	
OCT 31,81	OCT 30,81	900	900	1	19740.0	30030	2	1	E	
NOV 7,81	NOV 6,81	900	900	1	26500.0	30032	2	1		
NOV 8,81	NOV 7,81	900	900	1	24710.0	30033	2	1		
NOV 9,81	NOV 8,81	900	900	1	24720.0	30034	2	1		
NOV 10,81	NOV 9,81	900	900	1	27560.0	30035	2	1		
NOV 11,81	NOV 10,81	900	900	1	25880.0	30036	2	1		
NOV 12,81	NOV 11,81	900	900	1	24400.0	30037	2	1		
NOV 13,81	NOV 12,81	900	900	1	24960.0	30038	2	1		
NOV 18,81	NOV 17,81	900	900	1	16290.0	30050	2	1		P
NOV 19,81	NOV 18,81	900	900	1	24490.0	30051	2	1		P
NOV 20,81	NOV 19,81	900	900	1	23800.0	30052	2	1		P
NOV 21,81	NOV 20,81	900	900	1	19710.0	30041	2	1		

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/SEQUENTIAL #04

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
OCT 3,81	OCT 2,81	U 6.954	U 0.498	U 0.013	U 0.120	U 0.028	*******
OCT 4,81	OCT 3,81	1.907	0.828	0.042	0.161	0.040	0.083
OCT 5,81	OCT 4,81	1.876	1.549	0.062	0.382	<W 0.013	0.062
OCT 6,81	OCT 5,81	0.295	0.439	0.033	0.098	<W 0.011	0.033
OCT 7,81	OCT 6,81	0.424	0.413	0.010	0.094	< 0.009	0.015
OCT 8,81	OCT 7,81	0.911	0.702	0.044	0.176	0.010	0.054
OCT 9,81	OCT 8,81	4.483	0.726	0.041	0.178	< 0.009	0.045
OCT 10,81	OCT 9,81	0.0	< 0.045	0.074	< 0.005	< 0.009	0.078
OCT 11,81	OCT 10,81	1.212	3.561	0.278	0.918	<W 0.013	0.278
OCT 12,81	OCT 11,81	3.102	4.741	0.339	1.161	< 0.011	0.344
OCT 13,81	OCT 12,81	4.451	*******	0.433	*******	*******	*******
OCT 14,81	OCT 13,81	1.269	3.269	0.245	0.709	0.036	0.282
OCT 15,81	OCT 14,81	0.0	1.292	0.095	0.297	0.010	0.104
OCT 16,81	OCT 15,81	0.439	1.197	0.118	0.275	0.024	0.143
OCT 17,81	OCT 16,81	U 5.474	U 2.050	U 0.451	U 0.009	U 0.040	*******
OCT 18,81	OCT 17,81	*******	*******	*******	*******	*******	*******
OCT 19,81	OCT 18,81	U 0.0	U 8.405	*******	U 0.295	U 0.480	*******
OCT 20,81	OCT 19,81	*******	*******	*******	*******	*******	*******
OCT 21,81	OCT 20,81	*******	*******	*******	*******	*******	*******
OCT 22,81	OCT 21,81	*******	*******	*******	*******	*******	*******
OCT 23,81	OCT 22,81	*******	*******	*******	*******	*******	*******
OCT 24,81	OCT 23,81	U 26.340	U 22.130	2.665	*******	0.639	3.304
OCT 25,81	OCT 24,81	0.918	1.274	0.141	*******	0.080	0.221
OCT 26,81	OCT 25,81	0.956	1.122	0.117	*******	0.001	0.118
OCT 27,81	OCT 26,81	1.827	1.095	0.159	*******	0.010	0.170
OCT 28,81	OCT 27,81	0.0	0.722	U 6.002	*******	0.131	*******
OCT 29,81	OCT 28,81	0.152	1.030	0.142	*******	0.002	0.144
OCT 30,81	OCT 29,81	0.887	0.111	0.326	*******	0.035	0.360
OCT 31,81	OCT 30,81	*******	3.546	*******	*******	0.154	*******
NOV 7,81	NOV 6,81	*******	< 0.003	0.018	0.019	0.0	0.018
NOV 8,81	NOV 7,81	1.408	0.788	0.228	0.193	0.087	0.315
NOV 9,81	NOV 8,81	0.0	0.484	0.137	0.117	0.066	0.204
NOV 10,81	NOV 9,81	0.414	0.387	0.005	0.103	< 0.005	0.008
NOV 11,81	NOV 10,81	0.827	0.706	0.073	0.163	0.092	0.166
NOV 12,81	NOV 11,81	0.0	1.462	0.047	0.378	< 0.006	0.050
NOV 13,81	NOV 12,81	2.740	1.429	0.286	0.480	0.256	0.542
NOV 18,81	NOV 17,81	0.850	0.814	0.0	0.186	<W 0.009	0.0
NOV 19,81	NOV 18,81	0.0	0.640	0.0	1.886	< 0.006	0.003
NOV 20,81	NOV 19,81	0.300	<W 0.030	0.0	0.134	<W 0.006	0.0
NOV 21,81	NOV 20,81	0.0	0.0	0.0	0.029	< 0.007	0.003

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/SEQUENTIAL #04

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
NOV 22,81	NOV 21,81	900	900	1	25810.0	30042	2	1		
NOV 23,81	NOV 22,81	900	900	1	********	30043	2	1		
NOV 24,81	NOV 23,81	900	900	1	26330.0	30044	2	1		
NOV 25,81	NOV 24,81	900	900	1	26160.0	30045	2	1		
NOV 26,81	NOV 25,81	900	900	1	23080.0	30046	2	1		
NOV 27,81	NOV 26,81	900	900	1	20670.0	30047	2	1		
NOV 28,81	NOV 27,81	700	700	1	18715.0	30060	2	1		
NOV 29,81	NOV 28,81	700	700	1	25600.0	30054	2	1		
NOV 30,81	NOV 29,81	700	700	1	24750.0	30055	2	1		
DEC 1,81	NOV 30,81	700	700	1	26160.0	30056	2	1		
DEC 2,81	DEC 1,81	700	700	1	21530.0	30057	2	1		
DEC 3,81	DEC 2,81	700	700	1	25270.0	30058	2	1		
DEC 4,81	DEC 3,81	700	700	1	24420.0	30059	2	1		
DEC 5,81	DEC 4,81	730	730	1	24420.0	30067	2	1		
DEC 6,81	DEC 5,81	730	730	1	26140.0	30061	2	1		
DEC 7,81	DEC 6,81	730	730	1	24500.0	30062	2	1		
DEC 8,81	DEC 7,81	730	730	1	25090.0	30063	2	1		
DEC 9,81	DEC 8,81	730	730	1	26040.0	30064	2	1		
DEC 10,81	DEC 9,81	730	730	1	24820.0	30065	2	1		
DEC 11,81	DEC 10,81	730	730	1	25180.0	30066	2	1		
DEC 12,81	DEC 11,81	800	800	1	21700.0	30070	2	1		
DEC 13,81	DEC 12,81	800	800	1	20610.0	30071	2	1	J	
DEC 14,81	DEC 13,81	800	800	1	24390.0	30072	2	1	J	
DEC 15,81	DEC 14,81	800	800	1	28330.0	30073	2	1	J	
DEC 16,81	DEC 15,81	800	800	1	25220.0	30074	2	1	J	
DEC 17,81	DEC 16,81	800	800	1	25480.0	30075	2	1	J	
DEC 18,81	DEC 17,81	800	800	1	********	30076	2	1	J	
DEC 19,81	DEC 18,81	800	900	1	25920.0	30078	2	1		
DEC 20,81	DEC 19,81	800	800	1	25090.0	30079	2	1		
DEC 21,81	DEC 20,81	800	800	1	24710.0	30080	2	1		
DEC 22,81	DEC 21,81	800	800	1	25220.0	30081	2	1		
DEC 23,81	DEC 22,81	800	800	1	24740.0	30082	2	1		
DEC 24,81	DEC 23,81	800	800	1	25060.0	30083	2	1		
DEC 25,81	DEC 24,81	800	800	1	25470.0	30084	2	1		
DEC 26,81	DEC 25,81	800	800	1	25380.0	30085	2	1		P
DEC 27,81	DEC 26,81	800	800	1	25120.0	30086	2	1		P
DEC 28,81	DEC 27,81	800	800	1	24740.0	30087	2	1		P
DEC 29,81	DEC 28,81	800	800	1	28330.0	30088	2	1		P
DEC 30,81	DEC 29,81	800	800	1	26380.0	30089	2	1		P
DEC 31,81	DEC 30,81	800	800	1	25640.0	30090	2	1		P

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/SEQUENTIAL #04

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
NOV 22,81	NOV 21,81	0.092	0.270	< 0.006	0.048	<W 0.010	0.003
NOV 23,81	NOV 22,81	*******	*******	*******	*******	*******	*******
NOV 24,81	NOV 23,81	6.293	2.874	0.634	0.752	<W 0.009	0.634
NOV 25,81	NOV 24,81	0.982	2.418	0.416	0.726	< 0.010	0.421
NOV 26,81	NOV 25,81	2.127	3.551	0.645	1.075	< 0.011	0.651
NOV 27,81	NOV 26,81	1.726	1.000	0.188	0.314	<W 0.012	0.188
NOV 28,81	NOV 27,81	0.0	0.942	0.014	0.198	<W 0.008	0.014
NOV 29,81	NOV 28,81	0.373	1.495	0.103	0.266	<W 0.006	0.103
NOV 30,81	NOV 29,81	0.386	3.461	0.309	1.433	0.622	0.931
DEC 1,81	NOV 30,81	1.512	3.324	0.541	1.482	0.642	1.182
DEC 2,81	DEC 1,81	1.373	3.171	0.480	0.764	0.076	0.557
DEC 3,81	DEC 2,81	0.0	0.0	0.607	0.159	<W 0.006	0.607
DEC 4,81	DEC 3,81	0.117	*******	0.129	0.152	*******	*******
DEC 5,81	DEC 4,81	0.782	2.022	0.180	0.633	< 0.005	0.182
DEC 6,81	DEC 5,81	1.495	1.817	0.306	0.459	0.019	0.325
DEC 7,81	DEC 6,81	2.546	3.829	0.616	1.939	1.053	1.669
DEC 8,81	DEC 7,81	1.558	1.295	0.442	0.430	0.030	0.472
DEC 9,81	DEC 8,81	0.729	0.622	0.044	0.119	<W 0.010	0.044
DEC 10,81	DEC 9,81	0.096	0.806	0.036	0.113	0.020	0.056
DEC 11,81	DEC 10,81	1.949	0.894	0.095	0.193	< 0.010	0.100
DEC 12,81	DEC 11,81	0.875	1.012	0.114	0.081	< 0.012	0.120
DEC 13,81	DEC 12,81	0.601	3.429	1.027	0.580	0.825	1.852
DEC 14,81	DEC 13,81	0.918	0.234	0.261	0.037	0.021	0.281
DEC 15,81	DEC 14,81	0.907	1.128	0.189	0.138	0.044	0.233
DEC 16,81	DEC 15,81	0.888	0.177	0.044	0.040	<W 0.010	0.044
DEC 17,81	DEC 16,81	0.749	0.470	0.034	0.053	< 0.010	0.039
DEC 18,81	DEC 17,81	*******	*******	*******	*******	*******	*******
DEC 19,81	DEC 18,81	0.0	0.148	0.015	0.035	< 0.006	0.018
DEC 20,81	DEC 19,81	1.805	0.776	0.095	0.197	< 0.006	0.098
DEC 21,81	DEC 20,81	7.633	2.358	0.471	0.890	0.421	0.892
DEC 22,81	DEC 21,81	5.773	1.216	0.521	0.357	0.164	0.685
DEC 23,81	DEC 22,81	2.235	2.153	0.208	0.598	0.016	0.224
DEC 24,81	DEC 23,81	1.141	1.128	0.076	0.162	0.145	0.221
DEC 25,81	DEC 24,81	3.479	0.913	0.094	0.198	0.035	0.129
DEC 26,81	DEC 25,81	0.151	1.136	0.056	0.277	0.0	0.056
DEC 27,81	DEC 26,81	0.551	0.775	0.067	0.222	<W 0.006	0.067
DEC 28,81	DEC 27,81	0.693	1.090	0.159	0.203	<W 0.006	0.159
DEC 29,81	DEC 28,81	0.725	1.128	0.050	0.243	<W 0.005	0.050
DEC 30,81	DEC 29,81	1.408	1.022	0.073	0.145	0.091	0.164
DEC 31,81	DEC 30,81	3.516	1.102	0.163	0.188	0.054	0.217

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/SEQUENTIAL #04 PAGE : 5

REMOVAL DATE	EXPOSURE DATE	SAMPLING START HR.	SAMPLING END HR.	FILTER TYPE 01-ACTIVE 02-PASSIVE 03-BLANK	FLOW VOLUME(L)	SAMPLE NUMBER	PROJECT CODE 02-APIOS 03-SPECIAL	SUBPROJECT CODE 01-MOE 03-AES 04-ON HYDRO	COMMENTS FIELD	COMMENTS OFFICE
JAN 1,82	DEC 31,81	800	800	1	26150.0	30091	2	1		P

ONTARIO MINISTRY OF THE ENVIRONMENT
AIR SAMPLING ANALYSIS RESULTS
APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

STATION NAME : FERNBERG/DAILY/SEQUENTIAL #04

REMOVAL DATE	EXPOSURE DATE	SULPHUR DIOXIDE UG/M**3	SULPHATE UG/M**3	NITRIC AS N UG/M**3	AMMONIUM AS N UG/M**3	NITRATE AS N UG/M**3	TOTL NO3 AS N UG/M**3
JAN 1,82	DEC 31,81	0.656	0.981	0.083	0.168	< 0.006	0.086